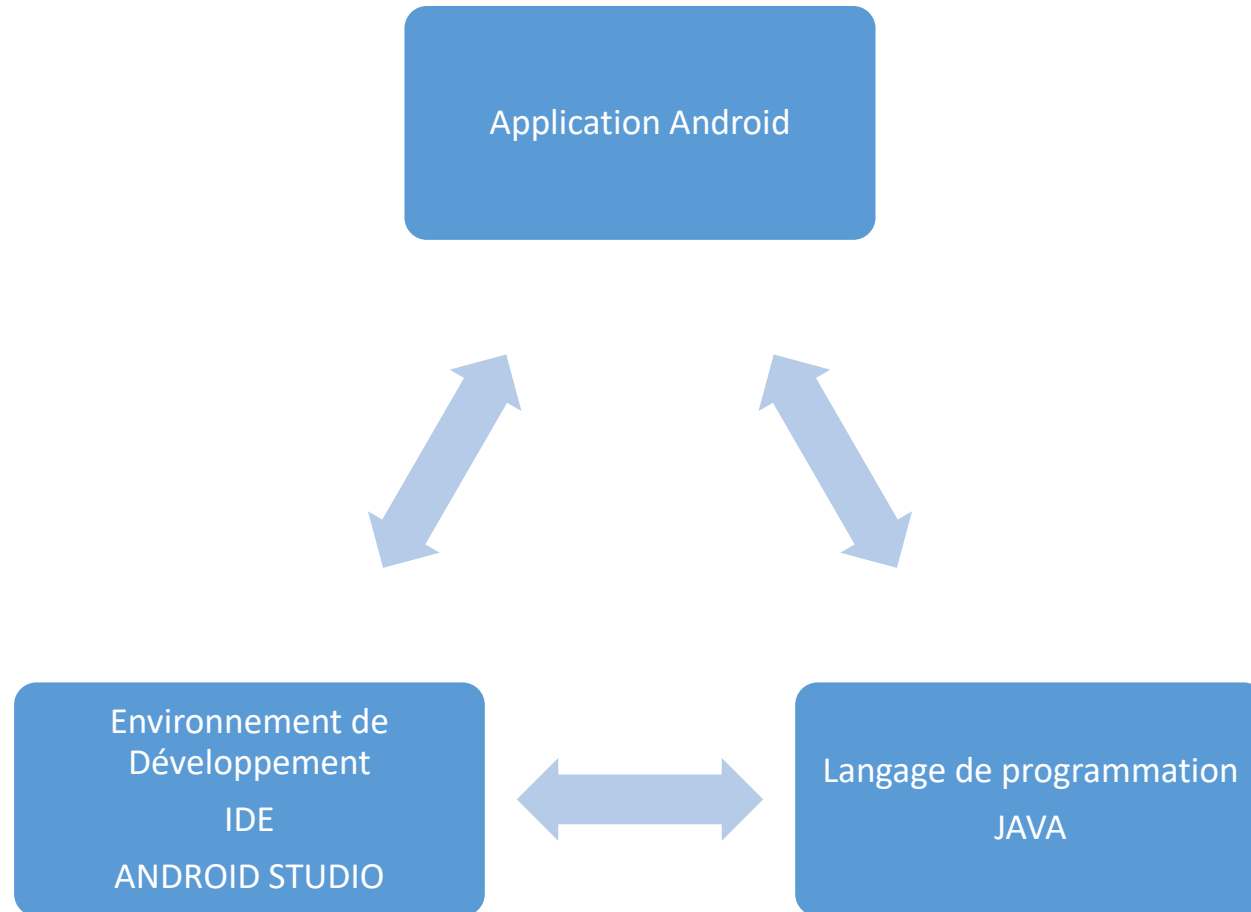


Création d'une Application Android

avec ANDROID STUDIO

Application Android



Versions Android





(No codename)
1.0
September 23, 2008
API 1



(Internally known as
"Petit Four")
1.1
February 9, 2009
API 2



Cupcake
1.5
April 27, 2009
API 3



Donut
1.6
September 15, 2009
API 4



Eclair
2.0 - 2.1
October 26, 2009
API 5 - 7



Froyo
2.2 - 2.2.3
May 20, 2010
API 8



Gingerbread
2.3 - 2.3.7
December 6, 2010
API 9 - 10



Honeycomb
3.0 - 3.2.6
February 22, 2011
API 11 - 13



Ice Cream
Sandwich
4.0 - 4.0.4
October 18, 2011
API 14 - 15



Jelly Bean
4.1 - 4.3.1
July 9, 2012
API 16 - 18



KitKat
4.4 - 4.4.4
October 31, 2013
API 19 - 20



Lollipop
5.0 - 5.1.1
November 12, 2014
API 21 - 22



Marshmallow
6.0 - 6.0.1
October 5, 2015
API 23



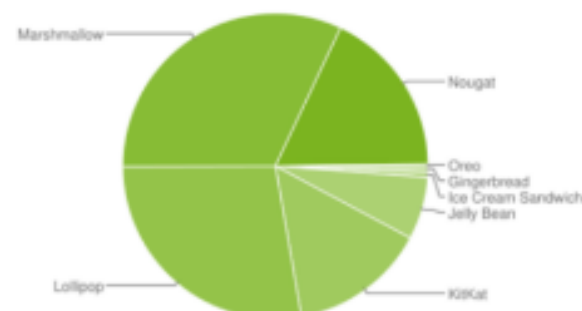
Nougat
7.0 - 7.1.2
August 22, 2016
API 24 - 25



Oreo
8.0
August 21, 2017
API 26

Version	Codename	API	Distribution
2.3.3 - 2.3.7	Gingerbread	10	0.6%
4.0.3 - 4.0.4	Ice Cream Sandwich	15	0.6%
4.1.x	Jelly Bean	16	2.3%
4.2.x		17	3.3%
4.3		18	1.0%
4.4	KitKat	19	14.5%
5.0	Lollipop	21	6.7%
5.1		22	21.0%
6.0	Marshmallow	23	32.0%
7.0	Nougat	24	15.8%
7.1		25	2.0%
8.0	Oreo	26	0.2%

Data collected during a 7-day period ending on October 2, 2017.
Any versions with less than 0.1% distribution are not shown.



Installation d'Android Studio

Activity

```
graph TD; Activity[Activity] --> Interface[Interface<br/>Layout<br/>XML]; Activity --> CodeSource[Code Source<br/>JAVA];
```

Interface

Layout

XML

Code Source

JAVA

Architecture d'un projet Android

XML

Extensible Markup Language

HTML

```
<html>
```

```
<head>
```

```
<title> XML – Google Search </title>
```

```
</head>
```

```
<body>
```

```
<img src = "google.png" height = "50" width = "150" />
```

```
</body>
```

```
</html>
```

XML

<Université

nom = « Paris »

NbEtudiants = 10000 >

<Faculté nom = « Médecine » >

<Département nom = « Pharmacie » > </Département>

<Département nom = « Dentaire » > </Département>

</Faculté>

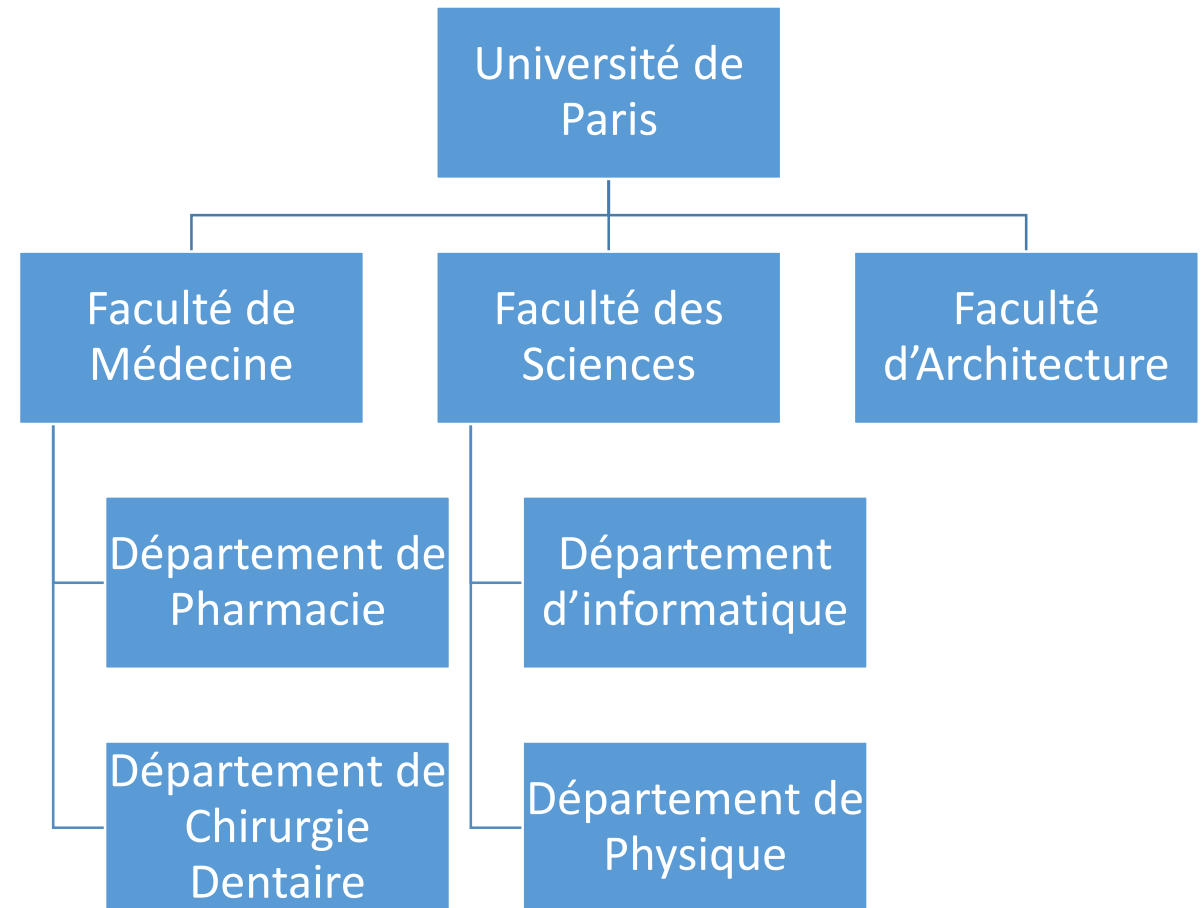
<Faculté nom = « Sciences » >

</Faculté>

<Faculté nom = « Architecture » >

</Faculté>

</Université>



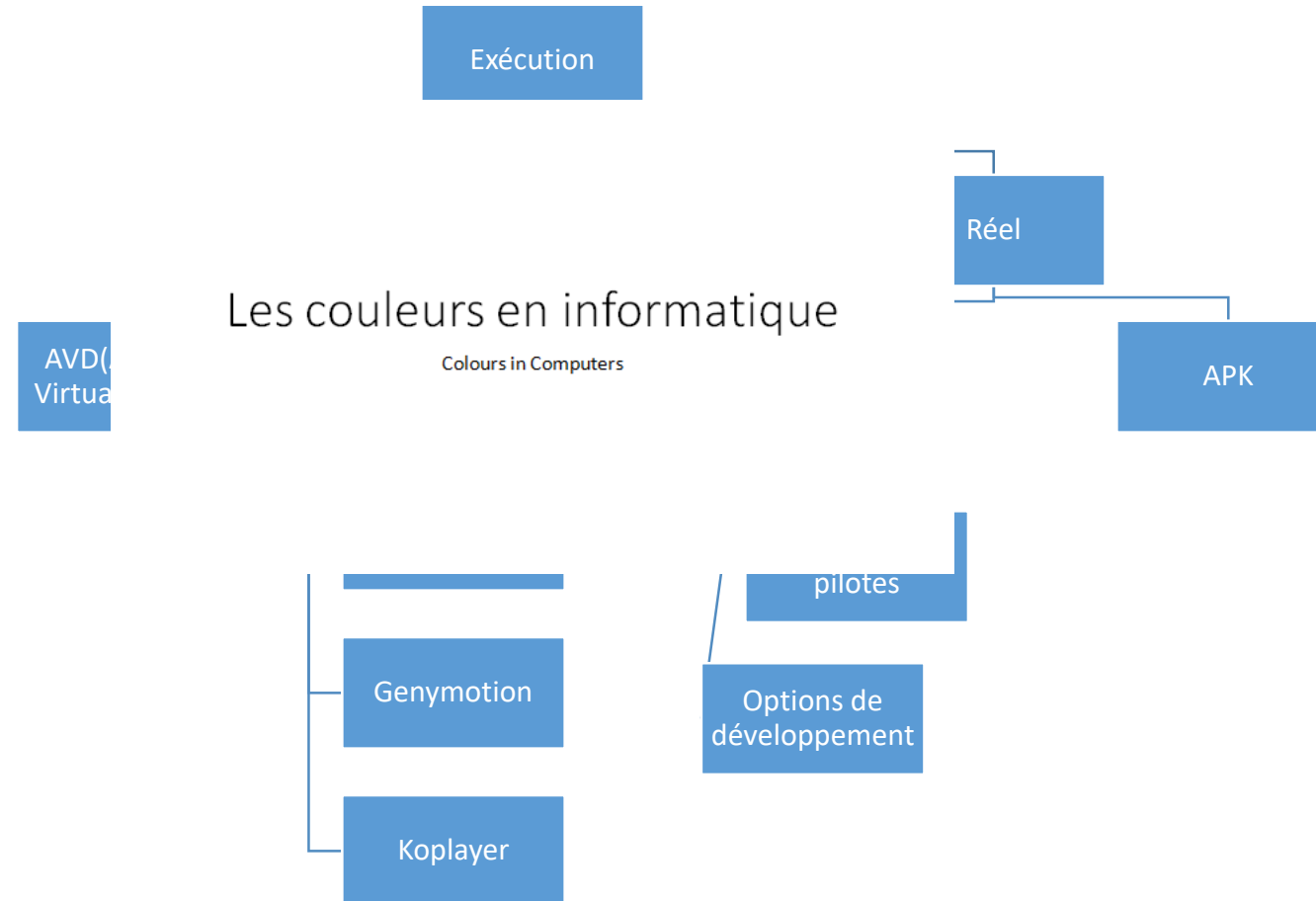
Comment ajouter une image

Sous Android Studio

Comment exécuter l'application?

Comment la tester?

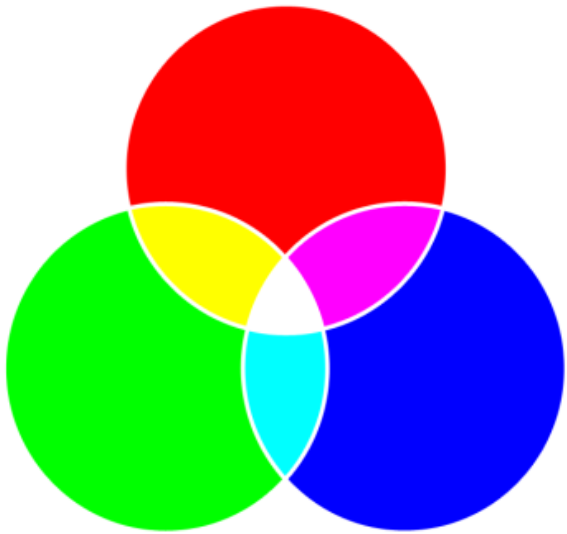
Comment exécuter l'application Android?



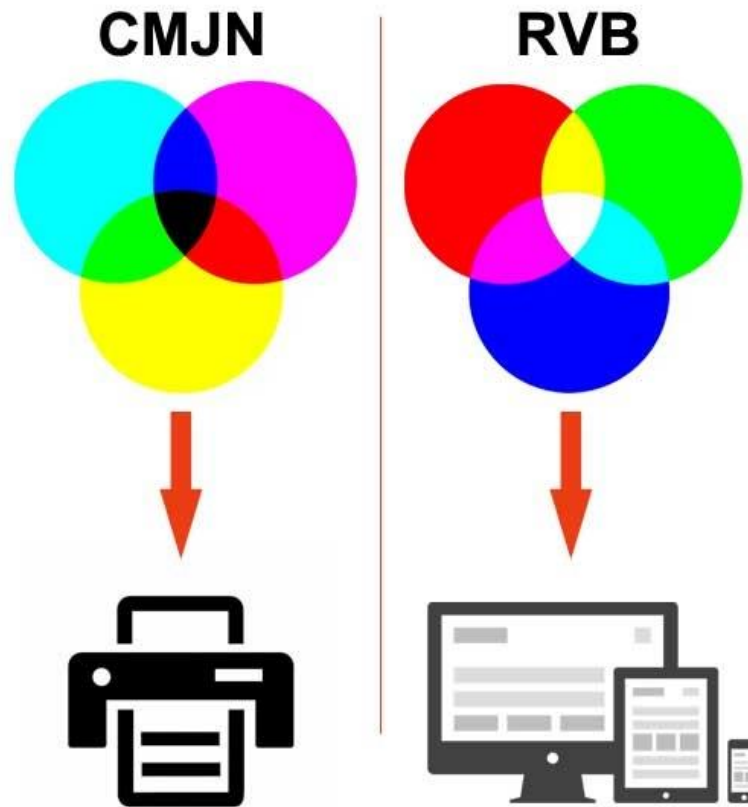
Les couleurs en informatique

Colours in Computers

Les couleurs



Les couleurs



Les imprimeries



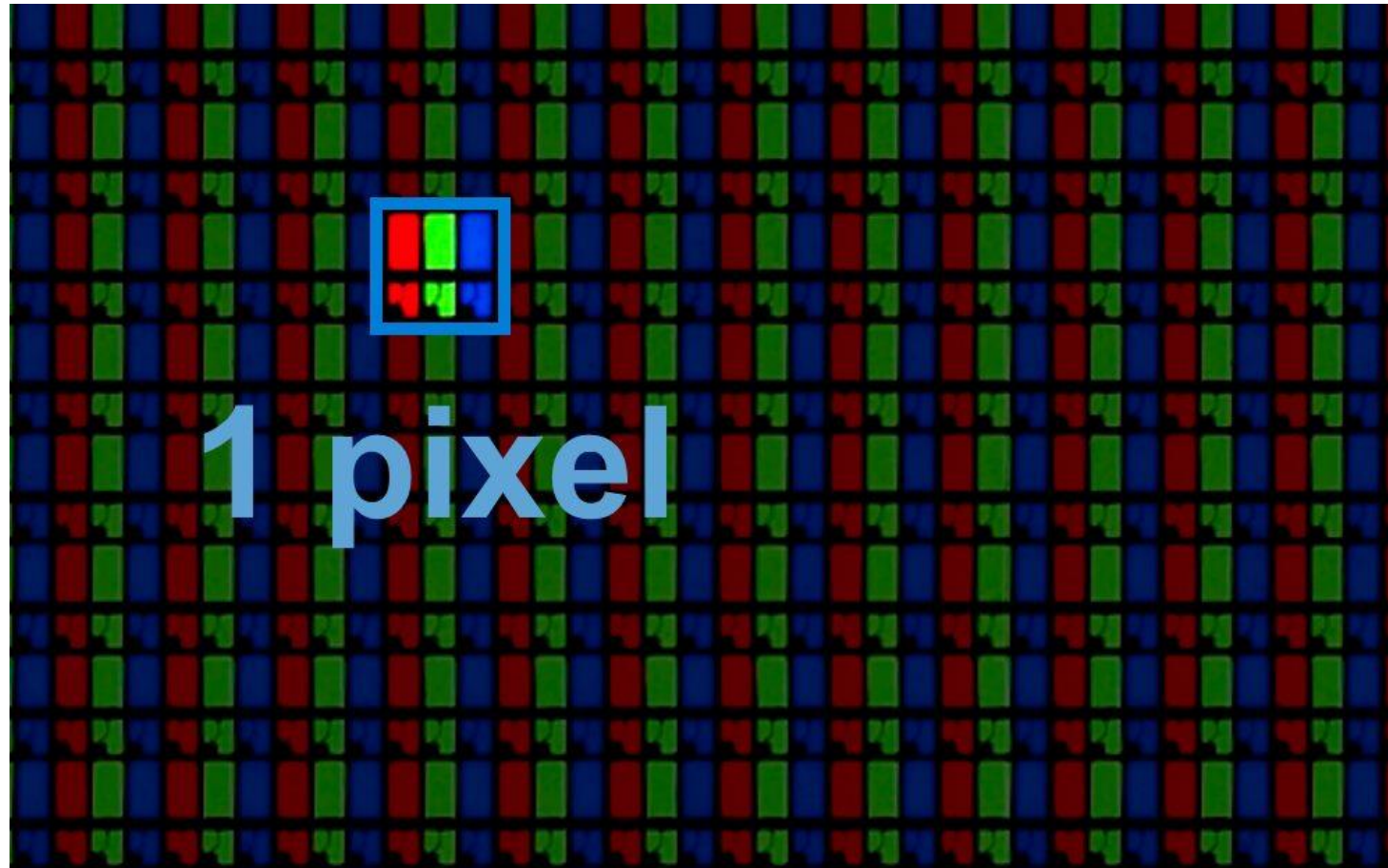
CMJN



CMJN



RVB



Codage

■ Bit (Binary digit ou chiffre binaire)



■ Octet (fr) = Byte (en) = 8 bits



- 1 octet = 8 bits
- 1 Ko = 1024 octets (~ 1000)
- 1 Mo = 1024 Ko (~ 1000)
- 1 Go = 1024 Mo (~ 1000)
- 1 To = 1024 Go (~ 1000)