

# Converting Colors

YIQ(156.2120, 60.4630, 66.1510)

Have a look what the booklet for  
YIQ(156.2120, 60.4630, 66.1510)  
contains.

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# Color

**YIQ(156.2120, 60.4630,  
66.1510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF61CA
RGB	255, 97, 202
RGB Percent	100%, 38%, 79%
CMY	0.0000, 0.6198, 0.2077
CMYK	0.00, 0.62, 0.21, 0.00
HSL	320°, 100%, 69%
HSV	320°, 62%, 100%
XYZ	56.1740, 34.0634, 59.5164
YIQ	156.2120, 60.4630, 66.1510

# Conversions

## Conversions Part 2

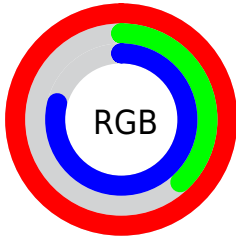
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 97, 202
Decimal	16736714
CIE Lab	65.01, 70.41, -23.85
CIE LCh	65, 74.337, 341.287
Yxy	34.0634, 0.3751, 0.2275
Android (android.graphics.Color)	4294926794 (0xFFFF61CA)
YUV	156.2120, 22.5735, 86.6371
Hunter-Lab	58.3638, 69.6661, -19.6062

# Details

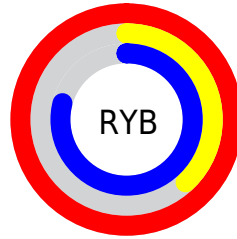
The YIQ color **156.2120, 60.4630, 66.1510** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **195.7880, -60.4630, -66.1510**, and the grayscale version is **156.0000, -0.0000, -0.0000**.

A 20% lighter version of the original color is **196.3000, 27.5000, 52.3000**, and **92.2000, 60.7370, 72.2010** is the 20% darker color. If you saturate the color by 10%, you get **139.9240, 70.5020, 76.9500**, and if you desaturate by 10%, it is **171.9130, 50.6990, 55.8750**.

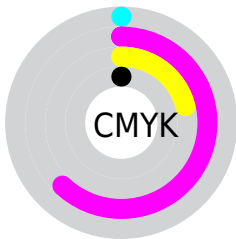
# Distribution



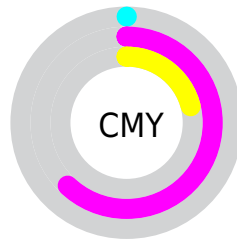
- Red (100%)
- Green (38%)
- Blue (79%)



- Red (100%)
- Yellow (38%)
- Blue (79%)



- Cyan (0%)
- Magenta (62%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the YIQ color 156.2120, 60.4630, 66.1510 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 156.2120, 60.4630, 66.1510 by changing the saturation by 10% instead.





 156.2120, 60.4630,  
66.1510


 156.2120, 60.4630,  
66.1510


255.0000, -0.0000,  
-0.0000


 125.9670, 59.7750,  
67.6070


 196.3000, 27.5000,  
52.3000

 92.2000, 60.7370,  
72.2010


 213.3230, 19.5250,  
37.1330


 63.2430, 59.1780,  
72.9220

 230.9330, 11.2750,  
21.4430

 51.7220, 49.9190,  
58.9990

 248.5430, 3.0250,  
5.7530

 40.6140, 40.9350,  
45.5990

 29.6200, 31.6300,  
32.5100

 19.1530, 22.2790,

20.2550

■ 4.4850, 8.9400,  
3.1800

■ 0.0000, 0.0000,  
0.0000

■ 156.2120, 60.4630,  
66.1510

■ 156.2120, 60.4630,  
66.1510

■ 139.9240, 70.5020,  
76.9500

■ 171.9130, 50.6990,  
55.8750

■ 124.3370, 79.9450,  
87.5370

■ 188.0870, 40.9810,  
44.7650

■ 108.0490, 89.9840,  
98.3360

■ 203.7880, 31.2170,  
34.4890

■ 95.6250, 97.4100,  
106.9300

■ 219.9620, 21.4990,  
23.3790

235.6630, 11.7350,  
13.1030

251.8370, 2.0170,  
1.9930

255.0000, -0.0000,  
-0.0000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



161.6140, -2.6230, 53.0650



156.2120, 60.4630, 66.1510



142.7040, 84.7200, 50.5440

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



156.2120, 60.4630, 66.1510



145.3150, 54.1110, -50.0570



136.9980, -129.4740, -21.3940

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



156.2120, 60.4630, 66.1510



195.7880, -60.4630, -66.1510

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



131.1040, -110.1220, -41.7220



156.2120, 60.4630, 66.1510



136.5260, -9.7550, -60.0190

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



156.2120, 60.4630, 66.1510



148.0850, 93.7660, -25.3220



121.9500, -87.1020, -62.4460



132.9690, -130.5300, -13.2660



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



156.2120, 60.4630, 66.1510



145.5470, 94.6270, 30.6830



121.9500, -87.1020, -62.4460



135.4190, -123.6500, -27.8260

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



156.2120, 60.4630, 66.1510



225.0000, 18.3360, 20.1280



130.8590, -19.1300, 60.3740



109.2500, 11.4600, 12.5800



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



156.2120, 60.4630, 66.1510



136.8750, 72.1980, 79.2540



147.2060, 85.8220, 41.5820



119.7990, 5.1800, 5.2440



71.5870, 73.0690, 79.9890



23.9240, 24.6620, 26.6300



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



156.2120, 60.4630, 66.1510



136.8750, 72.1980, 79.2540



204.7940, -85.8220, -41.5820



119.7990, 5.1800, 5.2440



71.5870, 73.0690, 79.9890

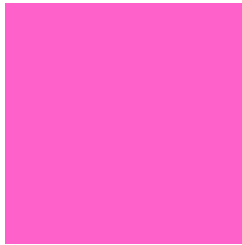


23.9240, 24.6620, 26.6300



# Previews

## White Background



This preview shows how the YIQ color 156.2120, 60.4630, 66.1510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

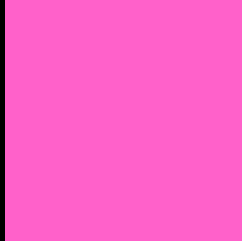
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 156.2120, 60.4630, 66.1510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

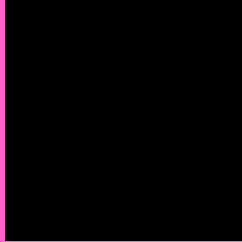
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 156.2120, 60.4630, 66.1510

## Background



This preview shows how black text looks on a background with the YIQ color 156.2120, 60.4630, 66.1510.



This preview shows how white text looks on a background with the YIQ color 156.2120, 60.4630,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

156.2120, 60.4630, 66.1510

### Protanopia

156.5180, -47.4120, 22.2520

### Deuteranopia

159.6310, -11.6020, 12.0300



## Tritanopia

156.3800, 76.1040, 30.4720

# Trichromacy



## Original Color

156.2120, 60.4630, 66.1510



## Protanomaly

156.4200, -8.4890, 38.2230



## Deuteranomaly

158.4100, 14.6660, 31.5780



## Tritanomaly

156.3600, 70.8290, 43.4770

# Monochromacy



## Original Color

156.2120, 60.4630, 66.1510



## Achromatopsia

156.0000, -0.0000, -0.0000



## Achromatomaly

156.3750, 21.7740, 23.9020

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 156.2120, 60.4630, 66.1510 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 97, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 202)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 97, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 202) }
```

## Border

The CSS property to change the border of an element to YIQ 156.2120, 60.4630, 66.1510 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 97, 202) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 97, 202) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 97, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
202) }
```

# Background

The CSS property to change the background color of an element to YIQ 156.2120, 60.4630, 66.1510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 202) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 97,  
202) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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