

# Converting Colors

XYZ(63.0243, 65.7773, 12.0190)

Have a look what the booklet for  
XYZ(63.0243, 65.7773, 12.0190)  
contains.

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# **Color**

**XYZ(63.2138, 66.0124,  
12.0993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCD02F
RGB	252, 208, 47
RGB Percent	99%, 82%, 18%
CMY	0.0118, 0.1843, 0.8157
CMYK	0.00, 0.17, 0.81, 0.01
HSL	47°, 97%, 59%
HSV	47°, 81%, 99%
XYZ	63.2138, 66.0124, 12.0993
YIQ	202.8020, 77.9050, -40.7430

# Conversions

## Conversions Part 2

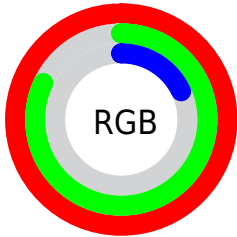
Format	Color
R <sub>Y</sub> B	103, 252, 47
Decimal	16568367
CIE Lab	85.00, 1.09, 77.99
CIE LCh	85, 77.997, 89.202
Yxy	66.0124, 0.4473, 0.4671
Android (android.graphics.Color)	4294758447 (0xFFFC02F)
YUV	202.8020, -76.8104, 43.1466
Hunter-Lab	81.2480, -3.3048, 48.0443

# Details

The XYZ color **63.2138, 66.0124, 12.0993** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **22.4842, 15.1149, 93.8271**, and the grayscale version is **57.0750, 60.0473, 65.3915**.

A 20% lighter version of the original color is **79.7068, 93.8627, 28.1037**, and **33.0415, 34.1876, 4.8574** is the 20% darker color. If you saturate the color by 10%, you get **61.5488, 63.2750, 9.7187**, and if you desaturate by 10%, it is **65.2197, 68.9633, 16.0402**.

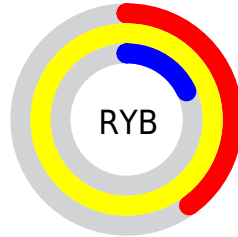
# Distribution



Red (99%)

Green (82%)

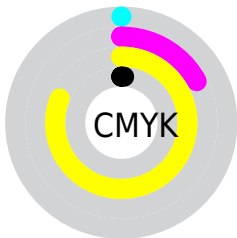
Blue (18%)



Red (40%)

Yellow (99%)

Blue (18%)

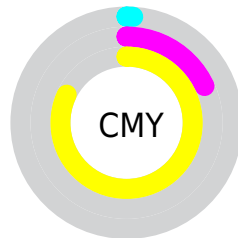


Cyan (0%)

Magenta (17%)

Yellow (81%)

Black (1%)



Cyan (1%)

Magenta (18%)

Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2138, 66.0124, 12.0993 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 XYZ color 63.2138, 66.0124, 12.0993 by changing the saturation by 10% instead.




 63.2138, 66.0124,  
12.0993

 63.2138, 66.0124,  
12.0993


425.9923,  
446.4212, 216.0628


 46.2735, 48.2825,  
6.6880


 108.5580,  
113.5041, 30.3429


 32.6672, 34.0506,  
3.1923


 137.6926,  
144.0347, 44.0123


 22.0297, 22.9325,  
1.1936


 171.6226,  
179.6010, 61.2715

 13.9954, 14.5437,  
0.0000

 210.7135,  
220.5873, 82.5390

 8.1992, 8.4998,  
0.0000

 255.3305,  
267.3781, 108.2333

 4.2755, 4.4164,  
0.0000

305.8391,

 1.8592, 1.9091,

320.3578, 138.7730

0.0000

362.6046,  
379.9107, 174.5766

■ 0.5529, 0.5538,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.2138, 66.0124,  
12.0993

■ 63.2138, 66.0124,  
12.0993

■ 61.5488, 63.2750,  
9.7187

■ 65.2197, 68.9633,  
16.0402

■ 60.3200, 61.0463,  
8.6039

■ 67.6066, 72.1366,  
21.7696

■ 70.4129, 75.5510,  
29.4819

■ 73.6710, 79.2201,  
39.3451

■ 77.4098, 83.1562,  
51.5095

■ 81.6556, 87.3704,  
66.1117

■ 86.4328, 91.8732,  
83.2777

■ 91.7640, 96.6741,  
103.1247

■ 93.9545, 99.4353,  
108.8487

# Harmonies

## Analogous

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



81.6416, 66.0124, 16.7412



63.2138, 66.0124, 12.0993



47.6863, 66.0124, 16.2370

# Triad

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



63.2138, 66.0124, 12.0993



37.6698, 66.0124, 130.0421



96.3959, 66.0124, 133.5332

# Complementary

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



63.2138, 66.0124, 12.0993



22.4842, 15.1149, 93.8271

# 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.



80.6755, 66.0124, 193.4360



63.2138, 66.0124, 12.0993



47.0118, 66.0124, 190.8443

# Square

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



63.2138, 66.0124, 12.0993



34.7034, 66.0124, 70.5391



62.2742, 66.0124, 218.1499



102.8631, 66.0124, 73.2302



# Rectangle

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



63.2138, 66.0124, 12.0993



40.5202, 66.0124, 25.4382



62.2742, 66.0124, 218.1499



91.8900, 66.0124, 155.2495

# Sweetspot

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



63.2153, 66.0156, 12.1006



82.6675, 88.5707, 63.6601



43.0679, 23.4915, 12.2577



17.3592, 18.6262, 12.4707



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



63.2153, 66.0156, 12.1006



62.2410, 63.2173, 9.0682



57.5504, 81.2840, 15.3463



18.3927, 19.5213, 18.2610



31.5339, 32.0244, 4.5193



2.9965, 3.1178, 0.4439



# Inverse Universe

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



22.4842, 15.1149, 93.8271



19.6640, 10.3531, 95.5697



24.4234, 12.0705, 93.1372



16.5849, 17.2467, 21.8401



9.9284, 5.2123, 48.4564



0.9933, 0.6304, 4.5125



# Previews

## White Background



This preview shows how the XYZ color 63.2138, 66.0124, 12.0993 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 XYZ color 63.2138, 66.0124, 12.0993 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](#).

# XYZ 63.2138, 66.0124, 12.0993

## Background



This preview shows how black text looks on a background with the XYZ color 63.2138, 66.0124, 12.0993.



This preview shows how white text looks on a background with the XYZ color 63.2138, 66.0124,



# 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

63.2138, 66.0124, 12.0993

### Protanopia

59.9244, 66.1526, 12.4067

### Deuteranopia

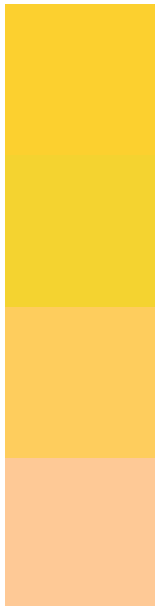
66.1626, 65.7776, 26.6620



## Tritanopia

72.7149, 65.7960, 69.1890

# Trichromacy



## Original Color

63.2138, 66.0124, 12.0993

## Protanomaly

61.1360, 66.0350, 12.3201

## Deuteranomaly

64.6802, 65.5238, 19.5943

## Tritanomaly

67.2647, 65.0461, 37.8641

# Monochromacy



## Original Color

63.2138, 66.0124, 12.0993

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

56.8384, 61.1101, 35.9939

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2138, 66.0124, 12.0993 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(252, 208, 47)` looks like.

```
.text, #text, p{  
    color:rgb(252, 208, 47)  
}
```

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(252, 208, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 208, 47) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2138, 66.0124, 12.0993 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(252, 208, 47) }
```



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

```
.border{ border-color:rgb(252, 208, 47) }
```

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

Here you see how a box with a 4 pixel rgb(252, 208, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 208, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 208, 47);  
box-shadow:4px 4px 4px 4px rgb(252, 208,  
47) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2138, 66.0124, 12.0993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 208, 47) }
```

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

```
.background{ background-color: rgb(252,  
208, 47) }
```

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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