

# Converting Colors

XYZ(67.5362, 73.1623, 17.3560)

Have a look what the booklet for  
XYZ(67.5362, 73.1623, 17.3560)  
contains.

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# **Color**

**XYZ(67.3058, 72.9302,  
17.3670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCDD4C
RGB	252, 221, 76
RGB Percent	99%, 87%, 30%
CMY	0.0118, 0.1333, 0.7019
CMYK	0.00, 0.12, 0.70, 0.01
HSL	49°, 97%, 64%
HSV	49°, 70%, 99%
XYZ	67.3058, 72.9302, 17.3670
YIQ	213.7390, 65.0210, -38.5230

# Conversions

## Conversions Part 2

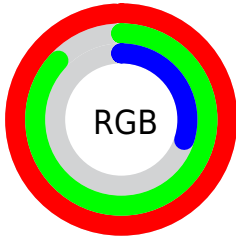
Format	Color
<b>RYB</b>	114, 252, 76
Decimal	16571724
CIELab	88.41, -4.40, 71.56
CIELCh	88, 71.696, 93.517
Yxy	72.9302, 0.4271, 0.4627
Android (android.graphics.Color)	4294761804 (0xFFFCDD4C)
YUV	213.7390, -67.9053, 33.5549
Hunter-Lab	85.3992, -8.7671, 47.7221

# Details

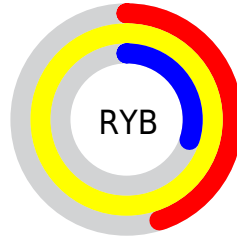
The XYZ color **67.3058, 72.9302, 17.3670** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **25.8088, 19.0796, 94.4171**, and the grayscale version is **64.1543, 67.4953, 73.5024**.

A 20% lighter version of the original color is **81.1649, 94.4459, 35.7818**, and **35.3744, 38.4789, 5.5627** is the 20% darker color. If you saturate the color by 10%, you get **65.4398, 70.3365, 13.2367**, and if you desaturate by 10%, it is **69.5491, 75.7300, 23.3163**.

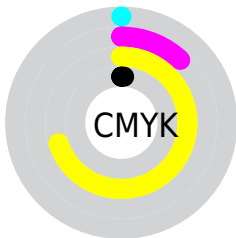
# Distribution



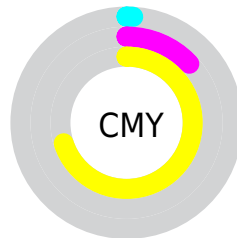
- Red (99%)
- Green (87%)
- Blue (30%)



- Red (45%)
- Yellow (99%)
- Blue (30%)



- Cyan (0%)
- Magenta (12%)
- Yellow (70%)
- Black (1%)



- Cyan (1%)
- Magenta (13%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.3058, 72.9302, 17.3670 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 67.3058, 72.9302, 17.3670 by changing the saturation by 10% instead.



67.3058, 72.9302,  
17.3670

67.3058, 72.9302,  
17.3670

440.4479,  
470.7729, 249.3937

49.6048, 53.9189,  
10.3318

114.4059,  
123.3781, 39.7550

35.3160, 38.5368,  
5.5110

144.5356,  
155.5835, 55.9448

24.0740, 26.3996,  
2.4862

179.5390,  
192.9557, 76.0232

15.5136, 17.1228,  
0.8328

219.7814,  
235.8791, 100.4088

9.2693, 10.3221,  
0.0000

265.6281,  
284.7382, 129.5202

4.9757, 5.6130,  
0.0000

317.4445,

2.2677, 2.6112,

339.9172, 163.7757

0.0000

375.5960,  
401.8006, 203.5940

■ 0.7780, 0.9323,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.3058, 72.9302,  
17.3670

■ 67.3058, 72.9302,  
17.3670

■ 65.4398, 70.3365,  
13.2367

■ 69.5491, 75.7300,  
23.3163

■ 63.9030, 67.9209,  
10.6963

■ 72.2006, 78.7402,  
31.2688

■ 62.6281, 65.6588,  
9.3842

■ 75.2936, 81.9772,  
41.3910

■ 62.6085, 65.6232,  
9.3667

■ 78.8564, 85.4529,  
53.8307

■ 82.9147, 89.1778,  
68.7227

■ 87.4925, 93.1618,  
86.1915

■ 92.6118, 97.4142,  
106.3532

■ 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.



85.1651, 72.9302, 21.1634



67.3058, 72.9302, 17.3670



52.5875, 72.9302, 23.6660

# Triad

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



67.3058, 72.9302, 17.3670



45.2045, 72.9302, 144.1615



103.3980, 72.9302, 129.6757

# Complementary

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



67.3058, 72.9302, 17.3670



25.8088, 19.0796, 94.4171

# 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.



89.2665, 72.9302, 187.6791



67.3058, 72.9302, 17.3670



55.5697, 72.9302, 198.1951

# Square

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



67.3058, 72.9302, 17.3670



41.2316, 72.9302, 85.3713



71.3698, 72.9302, 216.7349



107.9193, 72.9302, 73.7302



# Rectangle

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



67.3058, 72.9302, 17.3670



45.9484, 72.9302, 35.3007



71.3698, 72.9302, 216.7349



99.5107, 72.9302, 150.2329

# Sweetspot

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



67.3075, 72.9337, 17.3685



84.6608, 91.1485, 68.6676



45.4505, 26.9533, 17.0699



17.8668, 19.2795, 13.7557



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.



67.3075, 72.9337, 17.3685



66.5218, 71.1889, 12.3143



58.9494, 81.9137, 19.5423



18.4521, 19.6401, 18.2808



32.7117, 34.3801, 4.9119



3.0956, 3.3160, 0.4769



# Inverse Universe

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



25.8088, 19.0796, 94.4171



21.7180, 13.2103, 96.0129



29.6298, 17.0820, 93.8302



16.5301, 17.1371, 21.8218



9.7030, 4.7616, 48.3812



0.9648, 0.5733, 4.5030



# Previews

## White Background



This preview shows how the XYZ color 67.3058, 72.9302, 17.3670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

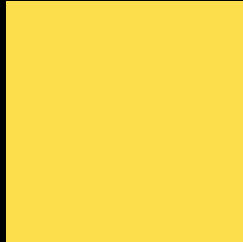
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.3058, 72.9302, 17.3670 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 67.3058, 72.9302, 17.3670**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.3058, 72.9302, 17.3670.



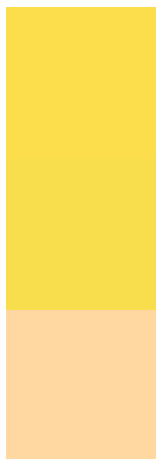
This preview shows how white text looks on a background with the XYZ color 67.3058, 72.9302,



# 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

67.3058, 72.9302, 17.3670

### Protanopia

66.1372, 72.7208, 17.3882

### Deuteranopia

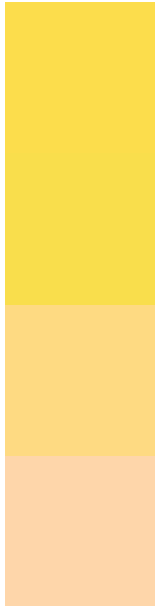
72.2289, 72.9449, 43.9911



## Tritanopia

77.6059, 72.6809, 79.7506

# Trichromacy



## Original Color

67.3058, 72.9302, 17.3670

## Protanomaly

66.4927, 72.9041, 17.4048

## Deuteranomaly

69.9737, 72.8253, 31.4878

## Tritanomaly

72.1753, 72.0662, 48.1363

# Monochromacy



## Original Color

67.3058, 72.9302, 17.3670

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.5086, 68.8000, 45.0544

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.3058, 72.9302, 17.3670 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, 221, 76)` looks like.

```
.text, #text, p{  
    color:rgb(252, 221, 76)  
}
```

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, 221, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 221, 76) }
```

## Border

The CSS property to change the border of an element to XYZ 67.3058, 72.9302, 17.3670 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, 221, 76) }
```



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

```
.border{ border-color:rgb(252, 221, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 221, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 221, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 221, 76);  
box-shadow:4px 4px 4px 4px rgb(252, 221,  
76) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.3058, 72.9302, 17.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 221, 76) }
```

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

```
.background{ background-color: rgb(252,  
221, 76) }
```

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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