

# Converting Colors

XYZ(95.6309, 86.1459, 20.0548)

Have a look what the booklet for  
XYZ(95.6309, 86.1459, 20.0548)  
contains.

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# **Color**

**XYZ(67.9116, 72.0429,  
18.7138)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDA54
RGB	255, 218, 84
RGB Percent	100%, 85%, 33%
CMY	0.0000, 0.1451, 0.6706
CMYK	0.00, 0.15, 0.67, 0.00
HSL	47°, 100%, 66%
HSV	47°, 67%, 100%
XYZ	67.9116, 72.0429, 18.7138
YIQ	213.7870, 65.0660, -33.8300

# Conversions

## Conversions Part 2

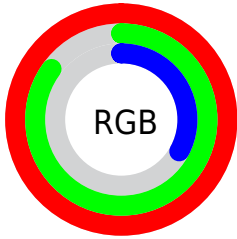
Format	Color
<a href="#">RYB</a>	<a href="#">131, 255, 84</a>
Decimal	<a href="#">16767572</a>
CIELab	<a href="#">87.99, -1.23, 68.09</a>
CIELCh	<a href="#">88, 68.105, 91.036</a>
Yxy	<a href="#">72.0429, 0.4280, 0.4540</a>
Android (android.graphics.Color)	<a href="#">4294957652 (0xFFFFDA54)</a>
YUV	<a href="#">213.7870, -63.9850, 36.1438</a>
Hunter-Lab	<a href="#">84.8781, -5.7175, 46.3425</a>

# Details

The XYZ color **67.9116, 72.0429, 18.7138** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **28.5433, 22.7788, 97.4994**, and the grayscale version is **64.1610, 67.5024, 73.5101**.

A 20% lighter version of the original color is **81.6602, 94.6441, 38.3903**, and **35.7382, 37.8506, 6.1318** is the 20% darker color. If you saturate the color by 10%, you get **65.6826, 68.9030, 13.9083**, and if you desaturate by 10%, it is **70.5550, 75.4303, 25.4515**.

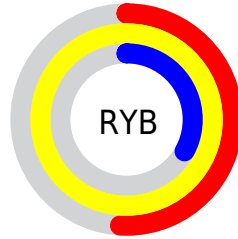
# Distribution



Red (100%)

Green (85%)

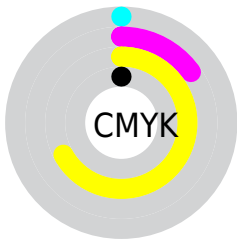
Blue (33%)



Red (51%)

Yellow (100%)

Blue (33%)

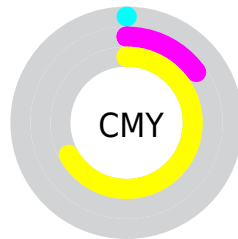


Cyan (0%)

Magenta (15%)

Yellow (67%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9116, 72.0429, 18.7138 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 67.9116, 72.0429, 18.7138 by changing the saturation by 10% instead.



67.9116, 72.0429,  
18.7138

67.9116, 72.0429,  
18.7138

442.5644,  
467.6909, 257.2340

50.0992, 53.1937,  
11.2889

115.2683,  
122.1175, 42.0802

35.7104, 37.9574,  
6.1449

145.5433,  
154.1118, 58.8588

24.3797, 25.9497,  
2.8632

180.7032,  
191.2565, 79.5923

15.7418, 16.7860,  
1.0252

221.1135,  
233.9360, 104.6994

9.4313, 10.0820,  
0.0000

267.1394,  
282.5349, 134.5986

5.0829, 5.4534,  
0.0000

319.1462,

2.3312, 2.5156,

337.4374, 169.7084

0.0000

377.4995,  
399.0279, 210.4474

■ 0.8106, 0.8845,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.9116, 72.0429,  
18.7138

■ 67.9116, 72.0429,  
18.7138

■ 65.6826, 68.9030,  
13.9083

■ 70.5550, 75.4303,  
25.4515

■ 63.8207, 65.9826,  
10.8113

■ 73.6435, 79.0699,  
34.3037

■ 62.2742, 63.2631,  
9.1443

■ 77.2105, 82.9786,  
45.4362

■ 61.8555, 62.4915,  
8.8019

■ 81.2846, 87.1683,  
58.9974

■ 85.8919, 91.6504,  
75.1228

■ 91.0566, 96.4351,  
93.9380

95.0497, 99.9998,  
108.9000

# Harmonies

## Analogous

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



84.7288, 72.0429, 23.3457



67.9116, 72.0429, 18.7138



53.6097, 72.0429, 24.0739

# Triad

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



67.9116, 72.0429, 18.7138



45.0612, 72.0429, 134.1460



99.5745, 72.0429, 130.1808

# Complementary

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



67.9116, 72.0429, 18.7138



28.5433, 22.7788, 97.4994

# 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.



85.8608, 72.0429, 182.6693



67.9116, 72.0429, 18.7138



54.4447, 72.0429, 185.5247

# Square

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



67.9116, 72.0429, 18.7138



41.7681, 72.0429, 80.0705



69.0407, 72.0429, 206.0596



104.6630, 72.0429, 76.8367



# Rectangle

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



67.9116, 72.0429, 18.7138



46.9598, 72.0429, 34.5892



69.0407, 72.0429, 206.0596



95.7239, 72.0429, 149.1492

# Sweetspot

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



67.9133, 72.0464, 18.7152



84.4798, 90.3011, 70.1040



47.8648, 28.9829, 21.1777



17.8029, 19.0573, 14.0250



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.



67.9133, 72.0464, 18.7152



65.0989, 68.0218, 12.8304



62.9669, 85.3604, 21.5458



19.2082, 20.3845, 19.0666



32.4353, 32.8819, 4.6373



3.2370, 3.3593, 0.4778



# Inverse Universe

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



28.5433, 22.7788, 97.4994



23.5194, 16.1321, 96.4819



30.8072, 18.5033, 96.5548



17.3215, 18.0146, 22.8142



10.2375, 5.3845, 49.9343



1.0726, 0.6758, 4.8872



# Previews

## White Background



This preview shows how the XYZ color 67.9116, 72.0429, 18.7138 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

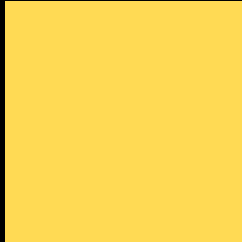
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.9116, 72.0429, 18.7138 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 67.9116, 72.0429, 18.7138**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.9116, 72.0429, 18.7138.



This preview shows how white text looks on a background with the XYZ color 67.9116, 72.0429,



# 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

67.9116, 72.0429, 18.7138

### Protanopia

65.5022, 71.9616, 19.0320

### Deuteranopia

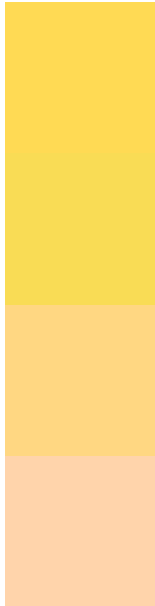
71.3724, 71.7875, 41.9929



## Tritanopia

76.9587, 72.0282, 77.5568

# Trichromacy



## Original Color

67.9116, 72.0429, 18.7138

## Protanomaly

66.2998, 71.9820, 18.9939

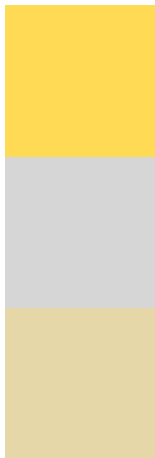
## Deuteranomaly

69.5697, 71.4726, 31.2480

## Tritanomaly

72.1342, 71.2872, 48.4860

# Monochromacy



## Original Color

67.9116, 72.0429, 18.7138

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

63.5886, 68.0489, 46.3425

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.9116, 72.0429, 18.7138 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, 218, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 84)  
}
```

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, 218, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 84) }
```

## Border

The CSS property to change the border of an element to XYZ 67.9116, 72.0429, 18.7138 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, 218, 84) }
```



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

```
.border{ border-color:rgb(255, 218, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 218, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
84) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.9116, 72.0429, 18.7138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 84) }
```

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

```
.background{ background-color: rgb(255,  
218, 84) }
```

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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