

Converting Colors

XYZ(138.0222, 108.5881,
20.7045)

Have a look what the booklet for
XYZ(138.0222, 108.5881, 20.7045)
contains.

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Color

**XYZ(67.9111, 72.4589,
17.4278)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFDB4D |
| RGB | 255, 219, 77 |
| RGB Percent | 100%, 86%, 30% |
| CMY | 0.0000, 0.1411, 0.6980 |
| CMYK | 0.00, 0.14, 0.70, 0.00 |
| HSL | 48°, 100%, 65% |
| HSV | 48°, 70%, 100% |
| XYZ | 67.9111, 72.4589, 17.4278 |
| YIQ | 213.5760, 67.0380, -36.5300 |

Conversions

Conversions Part 2

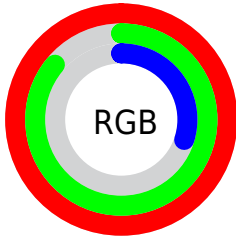
| Format | Color |
|--|---|
| RYB | 122, 255, 77 |
| Decimal | 16767821 |
| CIELab | 88.19, -2.09, 71.05 |
| CIELCh | 88, 71.077, 91.688 |
| Yxy | 72.4589, 0.4304, 0.4592 |
| Android (android.graphics.Color) | 4294957901 (0xFFFFDB4D) |
| YUV | 213.5760, -67.3320, 36.3288 |
| Hunter-Lab | 85.1228, -6.5573, 47.4471 |

Details

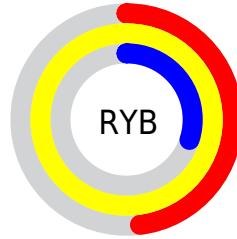
The XYZ color **67.9111, 72.4589, 17.4278** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **27.0156, 20.6075, 97.1609**, and the grayscale version is **64.0398, 67.3749, 73.3712**.

A 20% lighter version of the original color is **81.2336, 94.4735, 36.1440**, and **35.5291, 38.0224, 5.4952** is the 20% darker color. If you saturate the color by 10%, you get **65.8572, 69.5209, 13.1384**, and if you desaturate by 10%, it is **70.3627, 75.6283, 23.5911**.

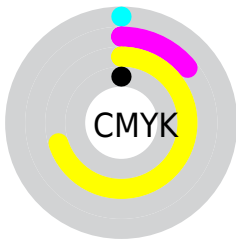
Distribution



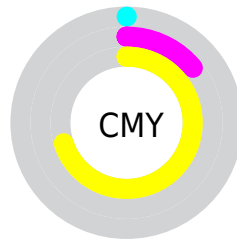
- Red (100%)
- Green (86%)
- Blue (30%)



- Red (48%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (14%)
- Yellow (70%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9111, 72.4589, 17.4278 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 67.9111, 72.4589, 17.4278 by changing the saturation by 10% instead.

67.9111, 72.4589,
17.4278

67.9111, 72.4589,
17.4278

442.5626,
469.1373, 249.7526

50.0988, 53.5336,
10.3748

115.2676,
122.7087, 39.8605

35.7100, 38.2289,
5.5393

145.5425,
154.8021, 56.0774

24.3794, 26.1604,
2.5028

180.7023,
192.0536, 76.1859

15.7416, 16.9437,
0.8417

221.1124,
234.8477, 100.6046

9.4311, 10.1944,
0.0000

267.1381,
283.5687, 129.7521

5.0828, 5.5280,
0.0000

319.1448,

2.3312, 2.5603,

338.6010, 164.0469

0.0000

377.4979,
400.3291, 203.9076

■ 0.8106, 0.9067,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.9111, 72.4589,
17.4278

■ 67.9111, 72.4589,
17.4278

■ 65.8572, 69.5209,
13.1384

■ 70.3627, 75.6283,
23.5911

■ 64.1517, 66.7855,
10.4873

■ 73.2441, 79.0341,
31.8183

■ 62.7257, 64.2273,
9.1056

■ 76.5898, 82.6935,
42.2805

■ 62.6987, 64.1779,
9.0830

■ 80.4288, 86.6186,
55.1300

■ 84.7879, 90.8207,
70.5056

■ 89.6918, 95.3103,
88.5353

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



85.5717, 72.4589, 21.8330



67.9111, 72.4589, 17.4278



53.0814, 72.4589, 23.0257

Triad

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



67.9111, 72.4589, 17.4278



44.6242, 72.4589, 139.0226



101.8559, 72.4589, 132.1666

Complementary

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



67.9111, 72.4589, 17.4278



27.0156, 20.6075, 97.1609

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.



87.5148, 72.4589, 188.4247



67.9111, 72.4589, 17.4278



54.4965, 72.4589, 193.3975

Square

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



67.9111, 72.4589, 17.4278



41.0826, 72.4589, 81.6868



69.8379, 72.4589, 214.4078



106.9992, 72.4589, 76.1684

Rectangle

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



67.9111, 72.4589, 17.4278



46.2665, 72.4589, 33.9147



69.8379, 72.4589, 214.4078



97.8462, 72.4589, 152.3581

Sweetspot

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



67.9128, 72.4624, 17.4292



84.2380, 90.3030, 68.5267



47.0214, 27.8192, 19.2835



17.7652, 19.0762, 13.7218



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.



67.9128, 72.4624, 17.4292



65.1019, 68.3491, 11.8410



62.1572, 84.9731, 20.1474



19.2309, 20.4300, 19.0741



32.8709, 33.7531, 4.7825



3.2758, 3.4370, 0.4908

Inverse Universe

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



27.0156, 20.6075, 97.1609



22.1356, 14.0456, 96.1521



29.5216, 17.0739, 96.3468



17.3004, 17.9725, 22.8072



10.1463, 5.2022, 49.9039



1.0608, 0.6524, 4.8833

Previews

White Background



This preview shows how the XYZ color 67.9111, 72.4589, 17.4278 looks on a white background.

Color Contrast Check

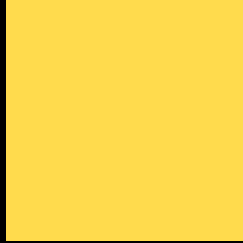
Large Text (above 18pt) WCAG AA × Fail

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 67.9111, 72.4589, 17.4278 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 67.9111, 72.4589, 17.4278

Background



This preview shows how black text looks on a background with the XYZ color 67.9111, 72.4589, 17.4278.



This preview shows how white text looks on a background with the XYZ color 67.9111, 72.4589,

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

67.9111, 72.4589, 17.4278

Protanopia

65.8542, 72.5668, 17.7436

Deuteranopia

71.7984, 72.3641, 42.9844



Tritanopia

77.3377, 72.5736, 78.3386

Trichromacy



Original Color

67.9111, 72.4589, 17.4278

Protanomaly

66.6559, 72.5870, 17.7053

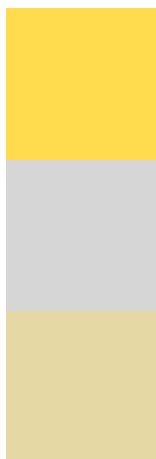
Deuteranomaly

69.7583, 71.9567, 30.9813

Tritanomaly

72.1957, 71.7131, 47.5730

Monochromacy



Original Color

67.9111, 72.4589, 17.4278

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.5698, 68.4501, 44.9837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9111, 72.4589, 17.4278 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, 219, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 77)  
}
```

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, 219, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 77) }
```

Border

The CSS property to change the border of an element to XYZ 67.9111, 72.4589, 17.4278 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, 219, 77) }
```


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

```
.border{ border-color:rgb(255, 219, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9111, 72.4589, 17.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 77) }
```

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

```
.background{ background-color: rgb(255,  
219, 77) }
```

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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