

Converting Colors

XYZ(66.1591, 70.8868, 12.6801)

Have a look what the booklet for
XYZ(66.1591, 70.8868, 12.6801)
contains.

XYZ(66.1596, 70.8860, 12.6780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(66.1596, 70.8860,
12.6780)**

Conversions

Conversions Part 1

Format	Color
Hex	FED92D
RGB	254, 217, 45
RGB Percent	100%, 85%, 18%
CMY	0.0039, 0.1490, 0.8235
CMYK	0.00, 0.15, 0.82, 0.00
HSL	49°, 99%, 59%
HSV	49°, 82%, 100%
XYZ	66.1596, 70.8860, 12.6780
YIQ	208.4550, 77.2640, -45.6480

Conversions

Conversions Part 2

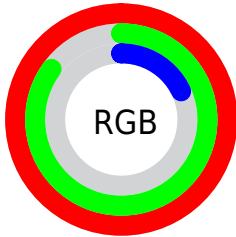
Format	Color
RYB	90, 254, 45
Decimal	16701741
CIELab	87.43, -2.70, 80.66
CIELCh	87, 80.710, 91.915
Yxy	70.8860, 0.4419, 0.4734
Android (android.graphics.Color)	4294891821 (0xFF FED92D)
YUV	208.4550, -80.5833, 39.9430
Hunter-Lab	84.1938, -7.0737, 50.0077

Details

The XYZ color **66.1596, 70.8860, 12.6780** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **21.9892, 13.7485, 95.2601**, and the grayscale version is **60.7241, 63.8865, 69.5724**.

A 20% lighter version of the original color is **79.7068, 93.8627, 28.1037**, and **35.0895, 37.5318, 5.3950** is the 20% darker color. If you saturate the color by 10%, you get **64.6670, 68.4626, 10.4500**, and if you desaturate by 10%, it is **67.9806, 73.4968, 16.4655**.

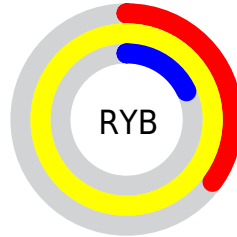
Distribution



Red (100%)

Green (85%)

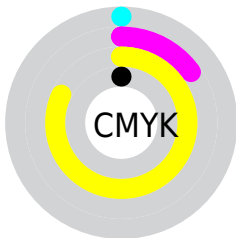
Blue (18%)



Red (35%)

Yellow (100%)

Blue (18%)

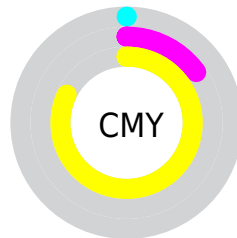


Cyan (0%)

Magenta (15%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1596, 70.8860, 12.6780 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 66.1596, 70.8860, 12.6780 by changing the saturation by 10% instead.

66.1596, 70.8860,
12.6780

66.1596, 70.8860,
12.6780

436.4271,
463.6548, 219.9784

48.6702, 52.2492,
7.0791

112.7718,
120.4714, 31.4067

34.5714, 37.2037,
3.4324

142.6253,
152.1887, 45.3736

23.4978, 25.3653,
1.3194

177.3309,
189.0350, 62.9669

15.0842, 16.3494,
0.0776

217.2539,
231.3947, 84.6052

8.9652, 9.7717,
0.0000

262.7596,
279.6521, 110.7069

4.7754, 5.2479,
0.0000

314.2135,

2.1495, 2.3934,

334.1917, 141.6907

0.0000

371.9809,
395.3978, 177.9750

■ 0.7159, 0.8225,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 66.1596, 70.8860,
12.6780

■ 66.1596, 70.8860,
12.6780

■ 64.6670, 68.4626,
10.4500

■ 67.9806, 73.4968,
16.4655

■ 63.6831, 66.6913,
9.5162

■ 70.1713, 76.3037,
22.0497

■ 72.7714, 79.3256,
29.6320

■ 75.8141, 82.5762,
39.3857

■ 79.3290, 86.0677,
51.4653

■ 83.3430, 89.8113,
66.0113

■ 87.8808, 93.8173,
83.1529

■ 92.9654, 98.0951,
103.0103

■ 94.6828, 99.8107,
108.8828

Harmonies

Analogous

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



86.1119, 70.8860, 16.7298



66.1596, 70.8860, 12.6780



49.8225, 70.8860, 18.0256

Triad

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



66.1596, 70.8860, 12.6780



40.8429, 70.8860, 146.8983



105.0894, 70.8860, 137.7783

Complementary

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



66.1596, 70.8860, 12.6780



21.9892, 13.7485, 95.2601

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.



88.6304, 70.8860, 204.6894



66.1596, 70.8860, 12.6780



51.5746, 70.8860, 211.4726

Square

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



66.1596, 70.8860, 12.6780



37.0213, 70.8860, 80.7380



68.6052, 70.8860, 236.4430



110.9631, 70.8860, 73.7335

Rectangle

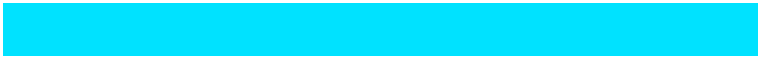
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.1596, 70.8860, 12.6780



42.4825, 70.8860, 28.9077



68.6052, 70.8860, 236.4430



100.4756, 70.8860, 161.5507

Sweetspot

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



66.1612, 70.8894, 12.6794



82.9368, 89.5631, 62.3508



43.3853, 23.5776, 10.5135



17.4453, 18.8851, 12.2321



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.



66.1612, 70.8894, 12.6794



64.3784, 67.5145, 9.7117



56.6098, 81.7411, 15.2774



19.2716, 20.5115, 19.0877



33.6732, 35.3576, 5.0499



3.3470, 3.5794, 0.5145

Inverse Universe

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



21.9892, 13.7485, 95.2601



19.1079, 9.2883, 95.3935



25.4073, 12.4249, 94.8245



17.2629, 17.8975, 22.7946



9.9993, 4.9082, 49.8549



1.0413, 0.6132, 4.8768

Previews

White Background



This preview shows how the XYZ color 66.1596, 70.8860, 12.6780 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 66.1596, 70.8860, 12.6780 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 66.1596, 70.8860, 12.6780

Background



This preview shows how black text looks on a background with the XYZ color 66.1596, 70.8860, 12.6780.



This preview shows how white text looks on a background with the XYZ color 66.1596, 70.8860,

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

66.1596, 70.8860, 12.6780

Protanopia

64.4441, 71.1578, 12.9230

Deuteranopia

70.3795, 70.9866, 38.0094



Tritanopia

76.2077, 70.9476, 76.0073

Trichromacy



Original Color

66.1596, 70.8860, 12.6780

Protanomaly

65.2490, 71.1843, 12.8857

Deuteranomaly

68.1558, 70.5008, 25.0547

Tritanomaly

70.4507, 70.2151, 40.8501

Monochromacy



Original Color

66.1596, 70.8860, 12.6780

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

59.7704, 64.7660, 37.7846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1596, 70.8860, 12.6780 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(254, 217, 45)` looks like.

```
.text, #text, p{  
    color:rgb(254, 217, 45)  
}
```

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(254, 217, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 217, 45) }
```

Border

The CSS property to change the border of an element to XYZ 66.1596, 70.8860, 12.6780 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(254, 217, 45) }
```


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

```
.border{ border-color:rgb(254, 217, 45) }
```

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

Here you see how a box with a 4 pixel rgb(254, 217, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 217, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 217, 45);  
box-shadow:4px 4px 4px 4px rgb(254, 217,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1596, 70.8860, 12.6780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 217, 45) }
```

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

```
.background{ background-color: rgb(254,  
217, 45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor