

Converting Colors

XYZ(63.9880, 66.5964, 12.6594)

Have a look what the booklet for
XYZ(63.9880, 66.5964, 12.6594)
contains.

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Color

**XYZ(64.2711, 66.9108,
12.6596)**

Conversions

Conversions Part 1

Format	Color
Hex	FED133
RGB	254, 209, 51
RGB Percent	100%, 82%, 20%
CMY	0.0039, 0.1804, 0.8000
CMYK	0.00, 0.18, 0.80, 0.00
HSL	47°, 99%, 60%
HSV	47°, 80%, 100%
XYZ	64.2711, 66.9108, 12.6596
YIQ	204.4430, 77.5380, -39.5980

Conversions

Conversions Part 2

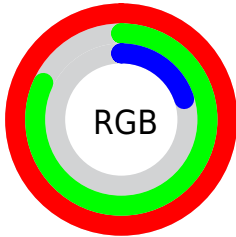
Format	Color
RYB	109, 254, 51
Decimal	16699699
CIELab	85.46, 1.54, 77.31
CIELCh	85, 77.329, 88.859
Yxy	66.9108, 0.4468, 0.4652
Android (android.graphics.Color)	4294889779 (0xFF FED133)
YUV	204.4430, -75.6474, 43.4615
Hunter-Lab	81.7990, -2.8973, 48.0833

Details

The XYZ color **64.2711, 66.9108, 12.6596** 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 **23.4376, 16.2253, 95.6618**, and the grayscale version is **58.1068, 61.1329, 66.5737**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **33.7137, 34.7801, 4.9363** is the 20% darker color. If you saturate the color by 10%, you get **62.5000, 64.0337, 10.0200**, and if you desaturate by 10%, it is **66.3995, 70.0142, 16.9263**.

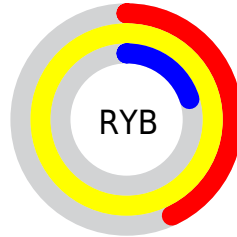
Distribution



Red (100%)

Green (82%)

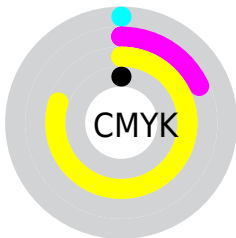
Blue (20%)



Red (43%)

Yellow (100%)

Blue (20%)

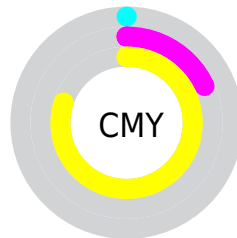


Cyan (0%)

Magenta (18%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2711, 66.9108, 12.6596 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 64.2711, 66.9108, 12.6596 by changing the saturation by 10% instead.

64.2711, 66.9108,
12.6596

64.2711, 66.9108,
12.6596

429.7547,
449.6272, 219.8551

47.1328, 49.0121,
7.0666

110.0728,
114.7926, 31.3730

33.3490, 34.6291,
3.4247

139.4669,
145.5445, 45.3306

22.5545, 23.3773,
1.3154

173.6771,
181.3496, 62.9134

14.3838, 14.8724,
0.0743

213.0685,
222.5924, 84.5399

8.4715, 8.7299,
0.0000

258.0066,
269.6571, 110.6289

4.4525, 4.5654,
0.0000

308.8568,

1.9612, 1.9946,

322.9282, 141.5987

0.0000

365.9844,
382.7901, 177.8679

■ 0.6120, 0.6043,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2711, 66.9108,
12.6596

■ 64.2711, 66.9108,
12.6596

■ 62.5000, 64.0337,
10.0200

■ 66.3995, 70.0142,
16.9263

■ 61.0103, 61.3439,
8.6309

■ 68.9247, 73.3525,
23.0459

■ 60.9987, 61.3225,
8.6214

■ 71.8852, 76.9447,
31.2123

■ 75.3134, 80.8043,
41.5942

■ 79.2386, 84.9439,
54.3423

■ 83.6872, 89.3748,
69.5944

■ 88.6838, 94.1075,
87.4774

94.2513, 99.1519,
108.1097

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.



82.6876, 66.9108, 17.5016



64.2711, 66.9108, 12.6596



48.6640, 66.9108, 16.7683

Triad

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



64.2711, 66.9108, 12.6596



38.3895, 66.9108, 130.1446



97.0619, 66.9108, 135.1144

Complementary

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



64.2711, 66.9108, 12.6596



23.4376, 16.2253, 95.6618

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.



81.3088, 66.9108, 194.4640



64.2711, 66.9108, 12.6596



47.6967, 66.9108, 190.7841

Square

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



64.2711, 66.9108, 12.6596



35.4787, 66.9108, 70.9468



62.9271, 66.9108, 218.4381



103.6409, 66.9108, 74.7961

Rectangle

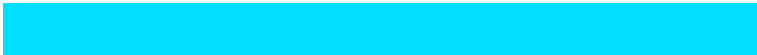
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2711, 66.9108, 12.6596



41.4233, 66.9108, 25.9829



62.9271, 66.9108, 218.4381



92.5366, 66.9108, 156.7020

Sweetspot

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



64.2726, 66.9141, 12.6609



82.5395, 88.3147, 63.6174



44.2791, 24.3278, 14.0095



17.3281, 18.5640, 12.4603



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.



64.2726, 66.9141, 12.6609



62.1222, 62.9350, 9.1664



59.8234, 83.3834, 16.0743



19.1996, 20.3674, 19.0637



32.2741, 32.5595, 4.5836



3.2226, 3.3305, 0.4730

Inverse Universe

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



23.4376, 16.2253, 95.6618



20.0371, 11.0046, 95.6758



24.9153, 12.5356, 94.8717



17.3294, 18.0305, 22.8168



10.2734, 5.4563, 49.9463



1.0771, 0.6849, 4.8887

Previews

White Background



This preview shows how the XYZ color 64.2711, 66.9108, 12.6596 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 64.2711, 66.9108, 12.6596 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 64.2711, 66.9108, 12.6596

Background



This preview shows how black text looks on a background with the XYZ color 64.2711, 66.9108, 12.6596.



This preview shows how white text looks on a background with the XYZ color 64.2711, 66.9108,

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

64.2711, 66.9108, 12.6596

Protanopia

60.6016, 66.8663, 12.9613

Deuteranopia

67.0772, 66.9090, 29.1180



Tritanopia

73.4213, 66.8100, 70.6539

Trichromacy



Original Color

64.2711, 66.9108, 12.6596

Protanomaly

61.8195, 66.7474, 12.8741

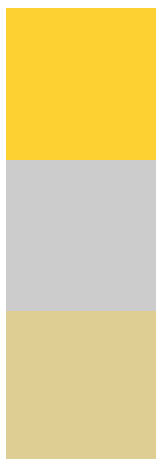
Deuteranomaly

65.8050, 66.7865, 21.2272

Tritanomaly

68.3457, 66.2718, 39.3265

Monochromacy



Original Color

64.2711, 66.9108, 12.6596

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

57.5408, 61.8103, 36.9148

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2711, 66.9108, 12.6596 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, 209, 51)` looks like.

```
.text, #text, p{  
    color:rgb(254, 209, 51)  
}
```

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, 209, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 209, 51) }
```

Border

The CSS property to change the border of an element to XYZ 64.2711, 66.9108, 12.6596 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, 209, 51) }
```


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

```
.border{ border-color:rgb(254, 209, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 209, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 209, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 209, 51);  
box-shadow:4px 4px 4px 4px rgb(254, 209,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2711, 66.9108, 12.6596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 209, 51) }
```

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

```
.background{ background-color: rgb(254,  
209, 51) }
```

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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