

Converting Colors

XYZ(51.0378, 48.8816, 6.7451)

Have a look what the booklet for
XYZ(51.0378, 48.8816, 6.7451)
contains.

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Color

**XYZ(51.0712, 48.7974,
6.7271)**

Conversions

Conversions Part 1

Format	Color
Hex	F0AE00
RGB	240, 174, 0
RGB Percent	94%, 68%, 0%
CMY	0.0588, 0.3176, 0.9999
CMYK	0.00, 0.27, 1.00, 0.06
HSL	44°, 100%, 47%
HSV	44°, 100%, 94%
XYZ	51.0712, 48.7974, 6.7271
YIQ	173.8980, 95.1900, -40.1220

Conversions

Conversions Part 2

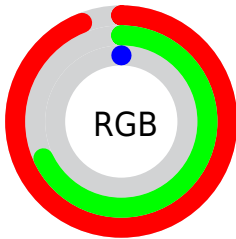
Format	Color
R _Y B	91, 240, 0
Decimal	15773184
CIE Lab	75.33, 12.85, 78.39
CIE LCh	75, 79.437, 80.693
Yxy	48.7974, 0.4791, 0.4578
Android (android.graphics.Color)	4293963264 (0xFFFF0AE00)
YUV	173.8980, -85.7317, 57.9715
Hunter-Lab	69.8551, 8.2551, 43.1889

Details

The XYZ color **51.0712, 48.7974, 6.7271** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle saturated orange. A complement of this color would be **17.6770, 10.1889, 83.4722**, and the grayscale version is **40.5743, 42.6873, 46.4865**.

A 20% lighter version of the original color is **70.7073, 77.8778, 18.8947**, and **25.3196, 23.3840, 3.1791** is the 20% darker color. If you saturate the color by 10%, you get **51.0712, 48.7979, 6.7272**, and if you desaturate by 10%, it is **52.5438, 51.4790, 8.0322**.

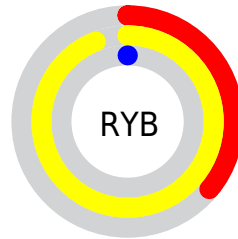
Distribution



Red (94%)

Green (68%)

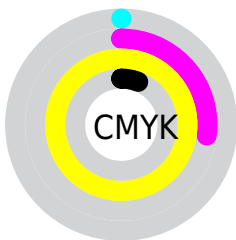
Blue (0%)



Red (36%)

Yellow (94%)

Blue (0%)

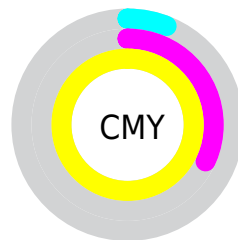


Cyan (0%)

Magenta (27%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.0712, 48.7974, 6.7271 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 51.0712, 48.7974, 6.7271 by changing the saturation by 10% instead.


 51.0712, 48.7974,
6.7271


 51.0712, 48.7974,
6.7271


381.2235,
381.9442, 174.9204

 36.4865, 34.4588,
3.2162


 90.9424, 88.3905,
19.9255

 24.9820, 23.2463,
1.2060


 116.9596,
114.4137, 30.4501


 16.1923, 14.7755,
0.0000


 147.5184,
145.1007, 44.1496

 9.7521, 8.6620,
0.0000

 182.9841,
180.8357, 61.4426

 5.2959, 4.5214,
0.0000

 223.7222,
222.0031, 82.7476

 2.4584, 1.9693,
0.0000

 270.0978,

 0.8743, 0.5895,

268.9874, 108.4833

0.0000

322.4765,
322.1730, 139.0680

■ 0.0000, 0.0000,
0.0000

■ 51.0712, 48.7974,
6.7271

■ 51.0712, 48.7974,
6.7271

■ 51.0712, 48.7979,
6.7272

■ 52.5438, 51.4790,
8.0322

■ 54.2828, 54.3668,
10.4310

■ 56.3537, 57.4904,
14.2605

■ 58.7953, 60.8666,
19.7201

■ 61.6401, 64.5098,
26.9777

■ 64.9169, 68.4327,
36.1798

■ 68.6513, 72.6468,
47.4581

■ 72.8668, 77.1628,
60.9325

■ 77.5851, 81.9907,
76.7138

Harmonies

Analogous

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



66.5384, 48.7974, 12.0383



51.0712, 48.7974, 6.7271



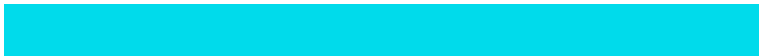
37.1491, 48.7974, 7.8229

Triad

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



51.0712, 48.7974, 6.7271



24.7599, 48.7974, 86.9150



71.6760, 48.7974, 122.0877

Complementary

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



51.0712, 48.7974, 6.7271



17.6770, 10.1889, 83.4722

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.



57.0269, 48.7974, 169.4494



51.0712, 48.7974, 6.7271



30.7702, 48.7974, 142.8054

Square

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



51.0712, 48.7974, 6.7271



23.8231, 48.7974, 41.1594



41.9861, 48.7974, 178.5548



79.9742, 48.7974, 67.2269

Rectangle

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



51.0712, 48.7974, 6.7271



30.3760, 48.7974, 12.5091



41.9861, 48.7974, 178.5548



67.2026, 48.7974, 140.4011

Sweetspot

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



51.0723, 48.7999, 6.7280



78.7386, 83.3193, 54.3154



36.9788, 18.9430, 7.1782



16.4517, 17.3873, 10.3921



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.



51.0723, 48.7999, 6.7280



58.5634, 55.9068, 7.7045



51.8997, 73.0113, 11.3577



16.7340, 17.6811, 16.6805



28.0744, 26.9468, 3.7216



2.4182, 2.4070, 0.3371

Inverse Universe

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



17.6770, 10.1889, 83.4722



20.2478, 11.6156, 95.7826



17.1451, 7.0220, 82.8890



15.2510, 15.9361, 19.9938



9.7714, 5.7671, 45.7260



0.8932, 0.6403, 3.8307

Previews

White Background



This preview shows how the XYZ color 51.0712, 48.7974, 6.7271 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 51.0712, 48.7974, 6.7271 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 51.0712, 48.7974, 6.7271

Background



This preview shows how black text looks on a background with the XYZ color 51.0712, 48.7974, 6.7271.



This preview shows how white text looks on a background with the XYZ color 51.0712, 48.7974,

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

51.0712, 48.7974, 6.7271

Protanopia

44.2165, 48.8512, 7.5142

Deuteranopia

49.7863, 48.7128, 6.7785



Tritanopia

59.2717, 48.8531, 46.3500

Trichromacy



Original Color

51.0712, 48.7974, 6.7271

Protanomaly

46.5961, 48.8478, 7.2311

Deuteranomaly

50.2550, 48.6645, 6.7445

Tritanomaly

54.1616, 47.8326, 21.4169

Monochromacy



Original Color

51.0712, 48.7974, 6.7271

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.2940, 43.4256, 21.2445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.0712, 48.7974, 6.7271 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(240, 174, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 174, 0)  
}
```

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(240, 174, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 174, 0) }
```

Border

The CSS property to change the border of an element to XYZ 51.0712, 48.7974, 6.7271 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(240, 174, 0) }
```


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

```
.border{ border-color:rgb(240, 174, 0) }
```

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

Here you see how a box with a 4 pixel rgb(240, 174, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 174, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 174, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 174,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 51.0712, 48.7974, 6.7271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 174, 0) }
```

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

```
.background{ background-color: rgb(240,  
174, 0) }
```

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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