

Converting Colors

XYZ(48.5320, 49.8350, 7.0612)

Have a look what the booklet for
XYZ(48.5320, 49.8350, 7.0612)
contains.

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Color

**XYZ(48.4065, 49.7868,
7.0585)**

Conversions

Conversions Part 1

Format	Color
Hex	E3B600
RGB	227, 182, 0
RGB Percent	89%, 71%, 0%
CMY	0.1098, 0.2863, 0.9999
CMYK	0.00, 0.20, 1.00, 0.11
HSL	48°, 100%, 45%
HSV	48°, 100%, 89%
XYZ	48.4065, 49.7868, 7.0585
YIQ	174.7070, 85.2420, -47.0620

Conversions

Conversions Part 2

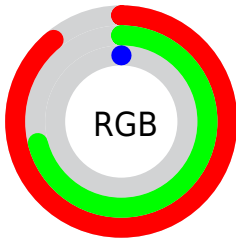
Format	Color
RYB	56, 227, 0
Decimal	14923264
CIELab	75.94, 3.01, 78.17
CIELCh	76, 78.229, 87.797
Yxy	49.7868, 0.4599, 0.4730
Android (android.graphics.Color)	4293113344 (0xFFE3B600)
YUV	174.7070, -86.1306, 45.8610
Hunter-Lab	70.5598, -1.0223, 43.4607

Details

The XYZ color **48.4065, 49.7868, 7.0585** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **14.8041, 7.4238, 73.3251**, and the grayscale version is **40.9987, 43.1338, 46.9727**.

A 20% lighter version of the original color is **73.2997, 83.0032, 19.9425**, and **23.7085, 24.0723, 3.3968** is the 20% darker color. If you saturate the color by 10%, you get **48.4067, 49.7877, 7.0587**, and if you desaturate by 10%, it is **49.4958, 51.7228, 8.1707**.

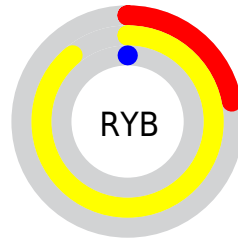
Distribution



Red (89%)

Green (71%)

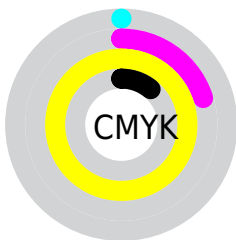
Blue (0%)



Red (22%)

Yellow (89%)

Blue (0%)

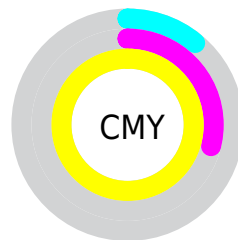


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4065, 49.7868, 7.0585 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 48.4065, 49.7868, 7.0585 by changing the saturation by 10% instead.


 48.4065, 49.7868,
7.0585


 48.4065, 49.7868,
7.0585


370.9570,
385.8316, 177.7983


 34.3615, 35.2440,
3.4197


 87.0154, 89.8589,
20.6057


 23.3357, 23.8509,
1.3127


 112.3100,
116.1570, 31.3511


 14.9636, 15.2231,
0.0722


 142.0851,
147.1424, 45.3026

 8.8800, 8.9761,
0.0000

 176.7062,
183.1994, 62.8785

 4.7195, 4.7256,
0.0000

 216.5386,
224.7124, 84.4975

 2.1167, 2.0872,
0.0000

 261.9476,

 0.6983, 0.6574,

272.0659, 110.5781

0.0000

313.2986,
325.6441, 141.5388

■ 0.0000, 0.0000,
0.0000

■ 48.4065, 49.7868,
7.0585

■ 48.4065, 49.7868,
7.0585

■ 48.4067, 49.7877,
7.0587

■ 49.4958, 51.7228,
8.1707

■ 50.7921, 53.7875,
10.2301

■ 52.3538, 56.0066,
13.5388

■ 54.2142, 58.3938,
18.2702

■ 56.4012, 60.9607,
24.5702

■ 58.9393, 63.7175,
32.5662

■ 61.8504, 66.6735,
42.3731

■ 65.1547, 69.8370,
54.0952

■ 68.8707, 73.2159,
67.8291

Harmonies

Analogous

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



63.8820, 49.7868, 10.7091



48.4065, 49.7868, 7.0585



35.4183, 49.7868, 9.6962

Triad

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



48.4065, 49.7868, 7.0585



26.6075, 49.7868, 100.9116



75.2154, 49.7868, 109.2173

Complementary

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



48.4065, 49.7868, 7.0585



14.8041, 7.4238, 73.3251

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.



61.6295, 49.7868, 160.7135



48.4065, 49.7868, 7.0585



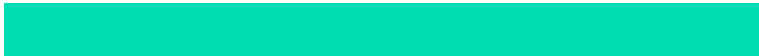
33.9021, 49.7868, 154.4292

Square

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



48.4065, 49.7868, 7.0585



24.4781, 49.7868, 51.1818



46.2516, 49.7868, 180.4616



81.2116, 49.7868, 57.3540

Rectangle

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



48.4065, 49.7868, 7.0585



29.4492, 49.7868, 16.1930



46.2516, 49.7868, 180.4616



71.2639, 49.7868, 127.9744

Sweetspot

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



48.4076, 49.7892, 7.0595



80.4380, 86.7181, 54.8819



32.1602, 16.5238, 4.0191



16.8607, 18.2053, 10.5284



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.



48.4076, 49.7892, 7.0595



62.9407, 64.6614, 9.1636



41.7482, 62.2990, 9.8251



15.3462, 16.3062, 15.2430



28.3151, 29.2043, 4.1446



2.1544, 2.2821, 0.3269

Inverse Universe

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



14.8041, 7.4238, 73.3251



19.2141, 9.5483, 95.4380



16.2570, 6.7794, 73.1242



13.8130, 14.3474, 18.1856



8.6986, 4.4592, 42.7854



0.7073, 0.4585, 3.1832

Previews

White Background



This preview shows how the XYZ color 48.4065, 49.7868, 7.0585 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 48.4065, 49.7868, 7.0585 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 48.4065, 49.7868, 7.0585

Background



This preview shows how black text looks on a background with the XYZ color 48.4065, 49.7868, 7.0585.



This preview shows how white text looks on a background with the XYZ color 48.4065, 49.7868,

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

48.4065, 49.7868, 7.0585

Protanopia

45.1894, 49.9854, 7.5536

Deuteranopia

50.9390, 49.8827, 7.4338



Tritanopia

57.2235, 49.5862, 50.8111

Trichromacy



Original Color

48.4065, 49.7868, 7.0585

Protanomaly

46.2070, 49.8827, 7.3652

Deuteranomaly

49.7792, 49.5858, 7.2345

Tritanomaly

51.8927, 48.8567, 23.2182

Monochromacy



Original Color

48.4065, 49.7868, 7.0585

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.0378, 44.4578, 21.4572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4065, 49.7868, 7.0585 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(227, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 182, 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(227, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 182, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.4065, 49.7868, 7.0585 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(227, 182, 0) }
```


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

```
.border{ border-color:rgb(227, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 182,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4065, 49.7868, 7.0585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 182, 0) }
```

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

```
.background{ background-color: rgb(227,  
182, 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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