

Converting Colors

XYZ(48.6866, 50.7522, 7.2301)

Have a look what the booklet for
XYZ(48.6866, 50.7522, 7.2301)
contains.

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Color

**XYZ(48.7130, 50.8667,
7.2508)**

Conversions

Conversions Part 1

Format	Color
Hex	E2B900
RGB	226, 185, 0
RGB Percent	89%, 73%, 0%
CMY	0.1137, 0.2745, 0.9999
CMYK	0.00, 0.18, 1.00, 0.11
HSL	49°, 100%, 44%
HSV	49°, 100%, 89%
XYZ	48.7130, 50.8667, 7.2508
YIQ	176.1690, 83.8210, -48.8430

Conversions

Conversions Part 2

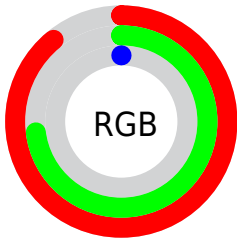
Format	Color
RYB	50, 226, 0
Decimal	14858496
CIELab	76.60, 1.00, 78.59
CIELCh	77, 78.592, 89.268
Yxy	50.8667, 0.4560, 0.4761
Android (android.graphics.Color)	4293048576 (0xFFE2B900)
YUV	176.1690, -86.8513, 43.7018
Hunter-Lab	71.3209, -2.8940, 43.8969

Details

The XYZ color **48.7130, 50.8667, 7.2508** 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 **14.5210, 7.0778, 72.5517**, and the grayscale version is **41.7661, 43.9412, 47.8520**.

A 20% lighter version of the original color is **74.2183, 84.7798, 20.4351**, and **23.7683, 24.5019, 3.4766** is the 20% darker color. If you saturate the color by 10%, you get **48.7133, 50.8676, 7.2510**, and if you desaturate by 10%, it is **49.7350, 52.6697, 8.3357**.

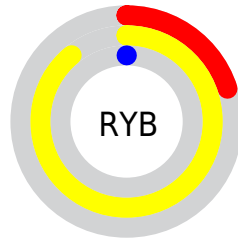
Distribution



Red (89%)

Green (73%)

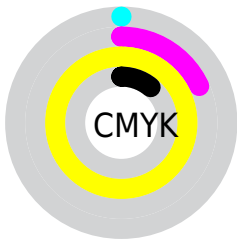
Blue (0%)



Red (20%)

Yellow (89%)

Blue (0%)

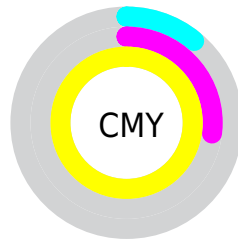


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7130, 50.8667, 7.2508 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 48.7130, 50.8667, 7.2508 by changing the saturation by 10% instead.


 48.7130, 50.8667,
7.2508


 48.7130, 50.8667,
7.2508


372.1471,
390.0457, 179.4409


 34.6055, 36.1025,
3.5386


 87.4683, 91.4577,
20.9974

 23.5242, 24.5134,
1.3758


 112.8468,
118.0533, 31.8689

 15.1039, 15.7149,
0.1227


 142.7131,
149.3616, 45.9640

 8.9791, 9.3226,
0.0000

 177.4323,
185.7668, 63.7011

 4.7846, 4.9522,
0.0000

 217.3700,
227.6534, 85.4988

 2.1549, 2.2193,
0.0000

 262.8915,

 0.7188, 0.7305,

275.4059, 111.7756

0.0000

314.3620,
329.4085, 142.9502

■ 0.0000, 0.0000,
0.0000

■ 48.7130, 50.8667,
7.2508

■ 48.7130, 50.8667,
7.2508

■ 48.7133, 50.8676,
7.2510

■ 49.7350, 52.6697,
8.3357

■ 50.9571, 54.5906,
10.3562

■ 52.4373, 56.6550,
13.6118

■ 54.2083, 58.8763,
18.2739

■ 56.2977, 61.2657,
24.4868

■ 58.7297, 63.8333,
32.3767

■ 61.5259, 66.5881,
42.0568

■ 64.7062, 69.5383,
53.6307

■ 68.2888, 72.6915,
67.1938

Harmonies

Analogous

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



64.4600, 50.8667, 10.6316



48.7130, 50.8667, 7.2508



35.6854, 50.8667, 10.2877

Triad

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



48.7130, 50.8667, 7.2508



27.4676, 50.8667, 105.7703



77.2862, 50.8667, 108.5803

Complementary

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



48.7130, 50.8667, 7.2508



14.5210, 7.0778, 72.5517

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.



63.6976, 50.8667, 161.7644



48.7130, 50.8667, 7.2508



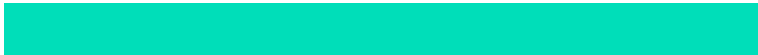
35.1718, 50.8667, 159.6390

Square

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



48.7130, 50.8667, 7.2508



25.0433, 50.8667, 54.3470



47.9834, 50.8667, 184.0365



82.8969, 50.8667, 56.4366

Rectangle

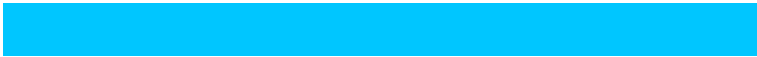
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.7130, 50.8667, 7.2508



29.7739, 50.8667, 17.3214



47.9834, 50.8667, 184.0365



73.3792, 50.8667, 127.7372

Sweetspot

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



48.7141, 50.8692, 7.2518



80.8179, 87.4778, 55.0085



31.7721, 16.3323, 3.6170



16.9524, 18.3887, 10.5590



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.



48.7141, 50.8692, 7.2518



63.9774, 66.7348, 9.5091



40.6064, 61.3055, 9.6935



14.6493, 15.5845, 14.5428



27.8714, 29.1806, 4.1634



1.9877, 2.1342, 0.3072

Inverse Universe

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



14.5210, 7.0778, 72.5517



19.0371, 9.1942, 95.3790



16.3688, 6.8530, 72.4109



13.1521, 13.6434, 17.3279



8.3458, 4.1612, 41.4117



0.6382, 0.4079, 2.8903

Previews

White Background



This preview shows how the XYZ color 48.7130, 50.8667, 7.2508 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 48.7130, 50.8667, 7.2508 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 48.7130, 50.8667, 7.2508

Background



This preview shows how black text looks on a background with the XYZ color 48.7130, 50.8667, 7.2508.



This preview shows how white text looks on a background with the XYZ color 48.7130, 50.8667,

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

48.7130, 50.8667, 7.2508

Protanopia

46.1943, 51.1428, 7.6953

Deuteranopia

51.8259, 50.6346, 7.6142



Tritanopia

58.1016, 50.8407, 52.6499

Trichromacy



Original Color

48.7130, 50.8667, 7.2508

Protanomaly

46.9295, 50.8850, 7.5206

Deuteranomaly

50.5160, 50.5643, 7.4140

Tritanomaly

52.2709, 49.9081, 24.0178

Monochromacy



Original Color

48.7130, 50.8667, 7.2508

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.2929, 44.8794, 21.8155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7130, 50.8667, 7.2508 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(226, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 185, 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(226, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 185, 0) }
```

Border

The CSS property to change the border of an element to XYZ 48.7130, 50.8667, 7.2508 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(226, 185, 0) }
```


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

```
.border{ border-color:rgb(226, 185, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 185,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7130, 50.8667, 7.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 185, 0) }
```

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

```
.background{ background-color: rgb(226,  
185, 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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