

Converting Colors

XYZ(48.2489, 48.2505, 9.2336)

Have a look what the booklet for
XYZ(48.2489, 48.2505, 9.2336)
contains.

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Color

**XYZ(48.1907, 48.1277,
9.2323)**

Conversions

Conversions Part 1

Format	Color
Hex	E4B12D
RGB	228, 177, 45
RGB Percent	89%, 69%, 18%
CMY	0.1059, 0.3059, 0.8235
CMYK	0.00, 0.22, 0.80, 0.11
HSL	43°, 77%, 54%
HSV	43°, 80%, 89%
XYZ	48.1907, 48.1277, 9.2323
YIQ	177.2010, 72.7680, -30.2400

Conversions

Conversions Part 2

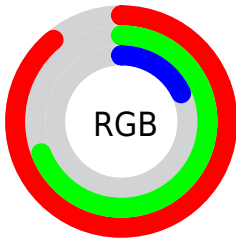
Format	Color
RYB	116, 228, 45
Decimal	14987565
CIELab	74.91, 6.87, 68.87
CIElCh	75, 69.210, 84.307
Yxy	48.1277, 0.4566, 0.4560
Android (android.graphics.Color)	4293177645 (0xFFE4B12D)
YUV	177.2010, -65.1751, 44.5507
Hunter-Lab	69.3741, 2.5902, 40.6716

Details

The XYZ color **48.1907, 48.1277, 9.2323** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **19.2687, 14.5249, 75.1863**, and the grayscale version is **42.2022, 44.4000, 48.3516**.

A 20% lighter version of the original color is **72.4949, 79.9325, 24.1780**, and **23.4821, 22.9921, 3.2003** is the 20% darker color. If you saturate the color by 10%, you get **46.6389, 45.5474, 7.1029**, and if you desaturate by 10%, it is **50.0399, 50.9243, 12.6298**.

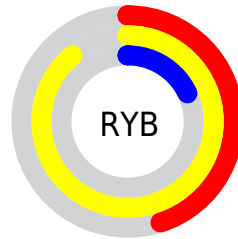
Distribution



Red (89%)

Green (69%)

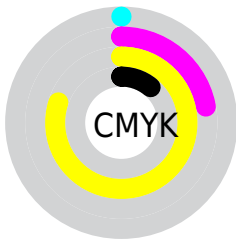
Blue (18%)



Red (45%)

Yellow (89%)

Blue (18%)

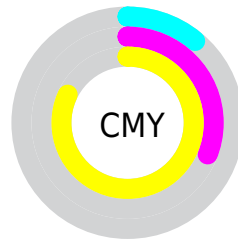


Cyan (0%)

Magenta (22%)

Yellow (80%)

Black (11%)



Cyan (11%)


Magenta (31%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1907, 48.1277, 9.2323 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 48.1907, 48.1277, 9.2323 by changing the saturation by 10% instead.


 48.1907, 48.1277,
9.2323


 48.1907, 48.1277,
9.2323


370.1175,
379.2981, 195.3829


 34.1898, 33.9280,
4.7941


 86.6962, 87.3945,
24.9260


 23.2030, 22.8383,
2.0704


 111.9316,
113.2304, 37.0186


 14.8650, 14.4742,
0.5980


 141.6425,
143.7139, 52.4998

 8.8104, 8.4512,
0.0000

 176.1943,
179.2293, 71.7880

 4.6738, 4.3850,
0.0000

 215.9524,
220.1610, 95.3019

 2.0900, 1.8912,
0.0000

 261.2820,

 0.6838, 0.5431,

266.8934, 123.4600

0.0000

312.5486,
319.8110, 156.6809

■ 0.0000, 0.0000,
0.0000

■ 48.1907, 48.1277,
9.2323

■ 48.1907, 48.1277,
9.2323

■ 46.6389, 45.5474,
7.1029

■ 50.0399, 50.9243,
12.6298

■ 45.3535, 43.2115,
5.9503

■ 52.2174, 53.9451,
17.4688

■ 54.7531, 57.2051,
23.8986

■ 57.6724, 60.7157,
32.0487

■ 60.9980, 64.4870,
42.0355

■ 64.7508, 68.5287,
53.9651

■ 68.9499, 72.8494,
67.9352

■ 73.6134, 77.4576,
84.0374

■ 78.7583, 82.3611,
102.3573

Harmonies

Analogous

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



61.3937, 48.1277, 13.8254



48.1907, 48.1277, 9.2323



36.4741, 48.1277, 11.1818

Triad

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



48.1907, 48.1277, 9.2323



27.0184, 48.1277, 86.4871



68.3893, 48.1277, 104.2361

Complementary

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



48.1907, 48.1277, 9.2323



19.2687, 14.5249, 75.1863

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.



56.4647, 48.1277, 144.5448



48.1907, 48.1277, 9.2323



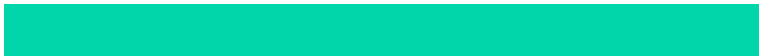
33.0090, 48.1277, 131.4199

Square

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



48.1907, 48.1277, 9.2323



25.6149, 48.1277, 45.8141



43.3814, 48.1277, 156.2793



74.3516, 48.1277, 59.5949

Rectangle

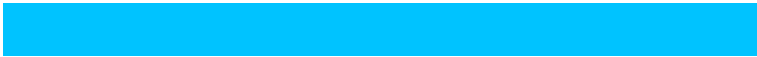
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.1907, 48.1277, 9.2323



30.8155, 48.1277, 16.7699



43.3814, 48.1277, 156.2793



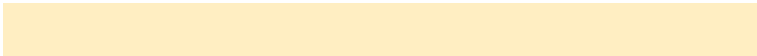
64.8503, 48.1277, 119.4315

Sweetspot

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



48.1918, 48.1301, 9.2332



81.5140, 86.2637, 63.2756



35.0841, 19.2314, 13.1364



17.0792, 18.0661, 12.3774



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.



48.1918, 48.1301, 9.2332



59.0204, 56.7314, 8.1324



49.0425, 66.4119, 12.7171



15.2443, 16.1025, 15.2091



26.2936, 25.1614, 3.4708



2.0202, 2.0138, 0.2822

Inverse Universe

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



19.2687, 14.5249, 75.1863



20.9317, 12.7939, 95.9740



18.6571, 9.3937, 74.2281



13.9081, 14.5377, 18.2173



9.2157, 5.4936, 42.9578



0.7574, 0.5588, 3.1999

Previews

White Background



This preview shows how the XYZ color 48.1907, 48.1277, 9.2323 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 48.1907, 48.1277, 9.2323 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 48.1907, 48.1277, 9.2323

Background



This preview shows how black text looks on a background with the XYZ color 48.1907, 48.1277, 9.2323.



This preview shows how white text looks on a background with the XYZ color 48.1907, 48.1277,

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

48.1907, 48.1277, 9.2323

Protanopia

43.5942, 48.1686, 9.6891

Deuteranopia

49.1018, 48.0130, 9.2643



Tritanopia

56.0831, 47.9575, 48.4203

Trichromacy



Original Color

48.1907, 48.1277, 9.2323

Protanomaly

45.2454, 48.1002, 9.4844

Deuteranomaly

48.9735, 48.2368, 9.3142

Tritanomaly

51.8215, 47.3113, 27.5198

Monochromacy



Original Color

48.1907, 48.1277, 9.2323

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.4495, 44.7650, 27.1721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1907, 48.1277, 9.2323 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(228, 177, 45)` looks like.

```
.text, #text, p{  
    color:rgb(228, 177, 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(228, 177, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 177, 45) }
```

Border

The CSS property to change the border of an element to XYZ 48.1907, 48.1277, 9.2323 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(228, 177, 45) }
```


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

```
.border{ border-color:rgb(228, 177, 45) }
```

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

Here you see how a box with a 4 pixel rgb(228, 177, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 177, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 177, 45);  
box-shadow:4px 4px 4px 4px rgb(228, 177,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1907, 48.1277, 9.2323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 177, 45) }
```

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

```
.background{ background-color: rgb(228,  
177, 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](#).

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