

Converting Colors

XYZ(48.2072, 44.5740, 17.1473)

Have a look what the booklet for
XYZ(48.2072, 44.5740, 17.1473)
contains.

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Color

**XYZ(48.1996, 44.5778,
17.1303)**

Conversions

Conversions Part 1

Format	Color
Hex	E6A560
RGB	230, 165, 96
RGB Percent	90%, 65%, 38%
CMY	0.0980, 0.3529, 0.6235
CMYK	0.00, 0.28, 0.58, 0.10
HSL	31°, 73%, 64%
HSV	31°, 58%, 90%
XYZ	48.1996, 44.5778, 17.1303
YIQ	176.5690, 60.8890, -7.6790

Conversions

Conversions Part 2

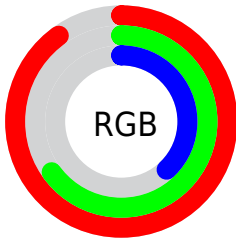
Format	Color
R _Y B	222, 230, 96
Decimal	15115616
CIE Lab	72.61, 16.77, 44.81
CIE LCh	73, 47.848, 69.482
Yxy	44.5778, 0.4385, 0.4056
Android (android.graphics.Color)	4293305696 (0xFFE6A560)
YUV	176.5690, -39.7205, 46.8590
Hunter-Lab	66.7666, 12.0197, 31.5246

Details

The XYZ color **48.1996, 44.5778, 17.1303** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.8510, 33.6882, 79.6863**, and the grayscale version is **41.7442, 43.9181, 47.8268**.

A 20% lighter version of the original color is **72.1785, 74.5845, 38.6090**, and **23.1929, 20.6654, 5.3512** is the 20% darker color. If you saturate the color by 10%, you get **45.3666, 40.3659, 11.7040**, and if you desaturate by 10%, it is **51.5200, 49.2691, 24.2479**.

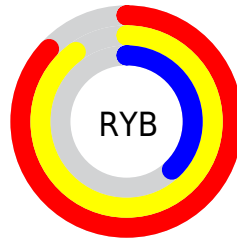
Distribution



Red (90%)

Green (65%)

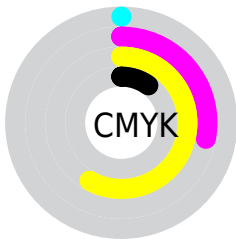
Blue (38%)



Red (87%)

Yellow (90%)

Blue (38%)

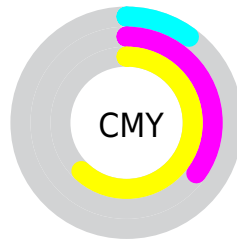


Cyan (0%)

Magenta (28%)

Yellow (58%)

Black (10%)



Cyan (10%)


Magenta (35%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1996, 44.5778, 17.1303 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 48.1996, 44.5778, 17.1303 by changing the saturation by 10% instead.


 48.1996, 44.5778,
17.1303


 48.1996, 44.5778,
17.1303


370.1522,
365.0609, 247.9915


 34.1969, 31.1250,
10.1645


 86.7094, 82.0865,
39.3434


 23.2085, 20.6941,
5.4011


 111.9472,
106.9112, 55.4278

 14.8691, 12.9006,
2.4217


 141.6608,
136.2953, 75.3887

 8.8133, 7.3601,
0.7982

 176.2154,
170.6232, 99.6448

 4.6757, 3.6883,
0.0000

215.9766,
210.2793, 128.6146

 2.0911, 1.5008,
0.0000

261.3095,

 0.6844, 0.2893,

255.6481, 162.7166

0.0000

312.5796,
307.1138, 202.3694

■ 0.0000, 0.0000,
0.0000

■ 48.1996, 44.5778,
17.1303

■ 48.1996, 44.5778,
17.1303

■ 45.3666, 40.3659,
11.7040

■ 51.5200, 49.2691,
24.2479

■ 42.9854, 36.6066,
7.8180

■ 55.3534, 54.4516,
33.1847

■ 41.0197, 33.2798,
5.2987

■ 59.7272, 60.1446,
44.0593

■ 39.4176, 30.3570,
3.8969

■ 64.6654, 66.3642,
56.9793

■ 39.1636, 29.8841,
3.7041

■ 70.1908, 73.1256,
72.0444

■ 76.3245, 80.4434,
89.3476

■ 82.7625, 88.2019,
107.2704

■ 86.2049, 95.0868,
108.4178

■ 86.4430, 95.5629,
108.4972

Harmonies

Analogous

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



55.8863, 44.5778, 24.9325



48.1996, 44.5778, 17.1303



39.8005, 44.5778, 16.0215

Triad

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



48.1996, 44.5778, 17.1303



28.5249, 44.5778, 56.4444



53.3222, 44.5778, 92.9283

Complementary

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



48.1996, 44.5778, 17.1303



31.8510, 33.6882, 79.6863

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.



45.0475, 44.5778, 108.8421



48.1996, 44.5778, 17.1303



31.2300, 44.5778, 83.6906

Square

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



48.1996, 44.5778, 17.1303



29.1381, 44.5778, 34.2441



37.0302, 44.5778, 104.9994



59.1010, 44.5778, 66.3402

Rectangle

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



48.1996, 44.5778, 17.1303



35.0065, 44.5778, 18.6790



37.0302, 44.5778, 104.9994



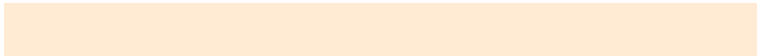
50.6995, 44.5778, 100.0413

Sweetspot

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



48.2007, 44.5800, 17.1312



82.4949, 84.8265, 74.0813



43.4270, 27.8334, 37.7342



17.3711, 17.8013, 15.0908



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.



48.2007, 44.5800, 17.1312



56.6425, 49.9499, 13.5849



63.0411, 74.2609, 22.0780



14.9877, 15.5893, 15.1236



22.2954, 17.1649, 2.1381



1.7405, 1.4543, 0.1890

Inverse Universe

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



31.8510, 33.6882, 79.6863



34.1815, 34.9993, 99.5617



23.2900, 16.5662, 76.8327



14.1569, 15.0352, 18.3003



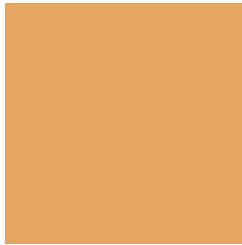
11.4604, 9.9828, 43.7060



0.9396, 0.9231, 3.2606

Previews

White Background



This preview shows how the XYZ color 48.1996, 44.5778, 17.1303 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 48.1996, 44.5778, 17.1303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

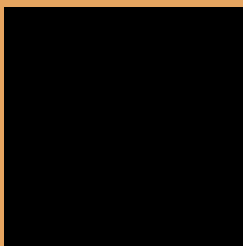
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1996, 44.5778, 17.1303

Background



This preview shows how black text looks on a background with the XYZ color 48.1996, 44.5778, 17.1303.



This preview shows how white text looks on a background with the XYZ color 48.1996, 44.5778,

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

48.1996, 44.5778, 17.1303

Protanopia

41.2340, 44.9155, 18.8082

Deuteranopia

45.6537, 44.6357, 17.0358



Tritanopia

53.5484, 44.4370, 42.8007

Trichromacy



Original Color

48.1996, 44.5778, 17.1303

Protanomaly

43.4006, 44.5829, 18.1223

Deuteranomaly

46.4996, 44.5195, 16.9688

Tritanomaly

51.2123, 44.2417, 31.4315

Monochromacy



Original Color

48.1996, 44.5778, 17.1303

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.0538, 43.7610, 34.1945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1996, 44.5778, 17.1303 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(230, 165, 96)` looks like.

```
.text, #text, p{  
    color:rgb(230, 165, 96)  
}
```

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(230, 165, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 165, 96) }
```

Border

The CSS property to change the border of an element to XYZ 48.1996, 44.5778, 17.1303 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(230, 165, 96) }
```


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

```
.border{ border-color:rgb(230, 165, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 165, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 165, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 165, 96);  
box-shadow:4px 4px 4px 4px rgb(230, 165,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1996, 44.5778, 17.1303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 165, 96) }
```

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

```
.background{ background-color: rgb(230,  
165, 96) }
```

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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