

Converting Colors

XYZ(48.4551, 46.7039, 21.3927)

Have a look what the booklet for
XYZ(48.4551, 46.7039, 21.3927)
contains.

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Color

**XYZ(48.5533, 46.8821,
21.5290)**

Conversions

Conversions Part 1

Format	Color
Hex	E0AD6F
RGB	224, 173, 111
RGB Percent	88%, 68%, 44%
CMY	0.1216, 0.3215, 0.5647
CMYK	0.00, 0.23, 0.50, 0.12
HSL	33°, 65%, 66%
HSV	33°, 50%, 88%
XYZ	48.5533, 46.8821, 21.5290
YIQ	181.1810, 50.2980, -8.4700

Conversions

Conversions Part 2

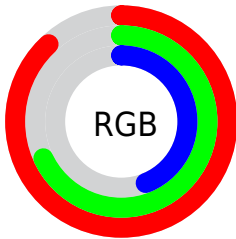
Format	Color
R _Y B	204, 224, 111
Decimal	14724463
CIE Lab	74.11, 11.27, 38.85
CIE LCh	74, 40.456, 73.821
Yxy	46.8821, 0.4151, 0.4008
Android (android.graphics.Color)	4292914543 (0xFFE0AD6F)
YUV	181.1810, -34.5992, 37.5523
Hunter-Lab	68.4705, 6.7532, 29.2870

Details

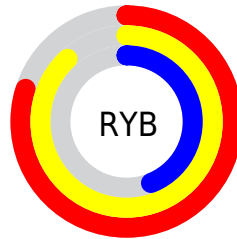
The XYZ color **48.5533, 46.8821, 21.5290** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.9299, 34.6006, 75.4639**, and the grayscale version is **44.1822, 46.4831, 50.6201**.

A 20% lighter version of the original color is **75.6842, 79.4271, 46.4639**, and **23.4328, 22.1295, 7.5938** is the 20% darker color. If you saturate the color by 10%, you get **45.6058, 42.7197, 15.2058**, and if you desaturate by 10%, it is **51.9590, 51.4661, 29.5315**.

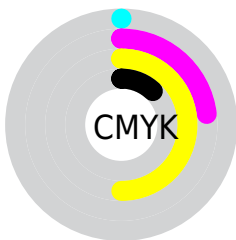
Distribution



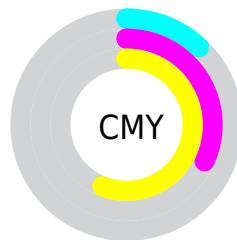
- Red (88%)
- Green (68%)
- Blue (44%)



- Red (80%)
- Yellow (88%)
- Blue (44%)



- Cyan (0%)
- Magenta (23%)
- Yellow (50%)
- Black (12%)



- Cyan (12%)
- Magenta (32%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5533, 46.8821, 21.5290 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 48.5533, 46.8821, 21.5290 by changing the saturation by 10% instead.

48.5533, 46.8821,
21.5290

48.5533, 46.8821,
21.5290

371.5273,
374.3437, 272.9494

34.4783, 32.9425,
13.3162

87.2324, 85.5376,
46.8585

23.4259, 22.0824,
7.5134

112.5672,
111.0223, 64.8122

15.0308, 13.9174,
3.7019

142.3860,
141.1241, 86.8501

8.9274, 8.0633,
1.4633

177.0541,
176.2274, 113.3905

4.7506, 4.1355,
0.1903

216.9370,
216.7166, 144.8522

2.1349, 1.7496,
0.0000

262.3999,

0.7081, 0.4555,

262.9761, 181.6535

0.0000

313.8082,
315.3904, 224.2131

■ 0.0000, 0.0000,
0.0000

■ 48.5533, 46.8821,
21.5290

■ 48.5533, 46.8821,
21.5290

■ 45.6058, 42.7197,
15.2058

■ 51.9590, 51.4661,
29.5315

■ 43.0864, 38.9562,
10.4339

■ 55.8437, 56.4796,
39.3229

■ 40.9658, 35.5765,
7.0712

■ 60.2310, 61.9386,
51.0066

■ 39.2084, 32.5607,
4.9475

■ 65.1415, 67.8561,
64.6772

■ 37.8125, 29.9915,
3.7960

■ 70.5946, 74.2445,
80.4231

■ 76.6088, 81.1156,
98.3272

■ 81.0710, 87.6284,
107.2488

■ 84.1928, 93.8719,
108.2894

■ 84.5504, 94.5873,
108.4086

Harmonies

Analogous

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



55.3796, 46.8821, 28.1153



48.5533, 46.8821, 21.5290



41.3160, 46.8821, 21.2910

Triad

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



48.5533, 46.8821, 21.5290



32.3611, 46.8821, 61.1773



54.9126, 46.8821, 85.5606

Complementary

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



48.5533, 46.8821, 21.5290



32.9299, 34.6006, 75.4639

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.



47.9696, 46.8821, 100.3831



48.5533, 46.8821, 21.5290



35.2503, 46.8821, 83.9337

Square

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



48.5533, 46.8821, 21.5290



32.4811, 46.8821, 40.7224



40.7919, 46.8821, 99.7180



59.3141, 46.8821, 62.9831

Rectangle

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



48.5533, 46.8821, 21.5290



37.2509, 46.8821, 24.5685



40.7919, 46.8821, 99.7180



52.7677, 46.8821, 91.8574

Sweetspot

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



48.5544, 46.8844, 21.5299



84.2303, 87.2536, 77.8775



43.1019, 29.8873, 38.4933



17.7318, 18.3172, 15.8447



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.



48.5544, 46.8844, 21.5299



60.8215, 56.7850, 19.6725



59.1108, 69.7110, 25.3795



14.3275, 14.9410, 14.4355



22.1261, 17.6902, 2.2484



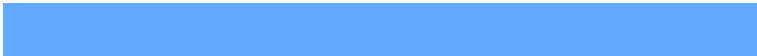
1.6227, 1.4044, 0.1855

Inverse Universe

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



32.9299, 34.6006, 75.4639



37.5535, 38.5153, 100.0627



26.1790, 20.3802, 73.0749



13.4589, 14.2569, 17.4302



10.6567, 8.7829, 42.1820



0.8272, 0.7858, 2.9533

Previews

White Background



This preview shows how the XYZ color 48.5533, 46.8821, 21.5290 looks on a white background.

Color Contrast Check

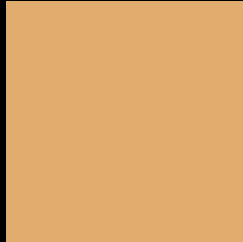
Large Text (above 18pt) WCAG AA × Fail

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 48.5533, 46.8821, 21.5290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

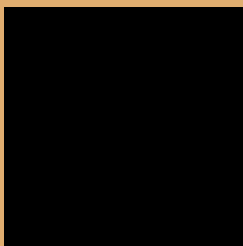
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5533, 46.8821, 21.5290

Background



This preview shows how black text looks on a background with the XYZ color 48.5533, 46.8821, 21.5290.



This preview shows how white text looks on a background with the XYZ color 48.5533, 46.8821,

21.5290.

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

48.5533, 46.8821, 21.5290

Protanopia

43.3756, 46.8358, 22.9737

Deuteranopia

47.8241, 46.7920, 21.5501



Tritanopia

54.0241, 46.9076, 47.8017

Trichromacy



Original Color

48.5533, 46.8821, 21.5290

Protanomaly

45.1698, 46.8650, 22.5847

Deuteranomaly

48.1295, 46.9494, 21.5644

Tritanomaly

51.7473, 46.7992, 36.4428

Monochromacy



Original Color

48.5533, 46.8821, 21.5290

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.9471, 46.1114, 37.9839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5533, 46.8821, 21.5290 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(224, 173, 111)` looks like.

```
.text, #text, p{  
    color:rgb(224, 173, 111)  
}
```

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(224, 173, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 173, 111) }
```

Border

The CSS property to change the border of an element to XYZ 48.5533, 46.8821, 21.5290 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(224, 173, 111) }
```


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

```
.border{ border-color:rgb(224, 173, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 173, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 173, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 173, 111);  
box-shadow:4px 4px 4px 4px rgb(224, 173,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5533, 46.8821, 21.5290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 173, 111) }
```

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

```
.background{ background-color: rgb(224,  
173, 111) }
```

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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