

Converting Colors

XYZ(48.8125, 45.2641, 18.9969)

Have a look what the booklet for
XYZ(48.8125, 45.2641, 18.9969)
contains.

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Color

**XYZ(48.9000, 45.4397,
19.0254)**

Conversions

Conversions Part 1

Format	Color
Hex	E6A767
RGB	230, 167, 103
RGB Percent	90%, 65%, 40%
CMY	0.0980, 0.3451, 0.5961
CMYK	0.00, 0.27, 0.55, 0.10
HSL	30°, 72%, 65%
HSV	30°, 55%, 90%
XYZ	48.9000, 45.4397, 19.0254
YIQ	178.5410, 58.0920, -6.5480

Conversions

Conversions Part 2

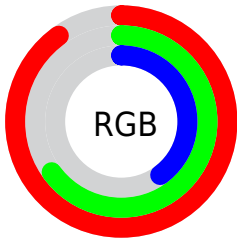
Format	Color
R_{YB}	228, 230, 103
Decimal	15116135
CIE _{Lab}	73.18, 16.25, 41.95
CIE _{LCh}	73, 44.984, 68.828
Yxy	45.4397, 0.4313, 0.4008
Android (android.graphics.Color)	4293306215 (0xFFE6A767)
YUV	178.5410, -37.2417, 45.1295
Hunter-Lab	67.4090, 11.5222, 30.4524

Details

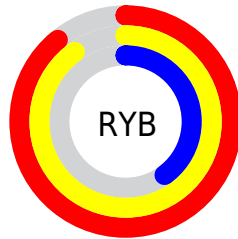
The XYZ color **48.9000, 45.4397, 19.0254** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.5119, 35.8675, 80.0194**, and the grayscale version is **42.7746, 45.0022, 49.0074**.

A 20% lighter version of the original color is **73.2777, 75.8691, 41.7924**, and **23.5912, 21.1857, 6.3359** is the 20% darker color. If you saturate the color by 10%, you get **45.9021, 41.0443, 13.0928**, and if you desaturate by 10%, it is **52.4020, 50.3354, 26.6931**.

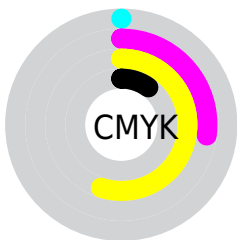
Distribution



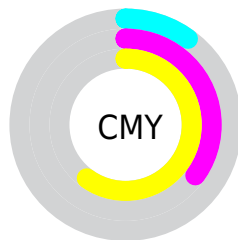
- Red (90%)
- Green (65%)
- Blue (40%)



- Red (89%)
- Yellow (90%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (55%)
- Black (10%)



- Cyan (10%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9000, 45.4397, 19.0254 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 48.9000, 45.4397, 19.0254 by changing the saturation by 10% instead.


 48.9000, 45.4397,
19.0254


 48.9000, 45.4397,
19.0254


372.8720,
368.5514, 259.0163

 34.7544, 31.8039,
11.5116


 87.7445, 83.3798,
42.6143

 23.6394, 21.2118,
6.2936


 113.1741,
108.4530, 59.5265

 15.1896, 13.2789,
2.9528


 143.0958,
138.1073, 80.4086

 9.0397, 7.6209,
1.0706

 177.8748,
172.7273, 105.6791

 4.8244, 3.8533,
0.0000

217.8766,
212.6973, 135.7566

 2.1783, 1.5919,
0.0000

263.4665,

 0.7313, 0.3521,

258.4018, 171.0596

0.0000

315.0098,
310.2250, 212.0067

■ 0.0000, 0.0000,
0.0000

■ 48.9000, 45.4397,
19.0254

■ 48.9000, 45.4397,
19.0254

■ 45.9021, 41.0443,
13.0928

■ 52.4020, 50.3354,
26.6931

■ 43.3735, 37.1223,
8.7504

■ 56.4331, 55.7432,
36.2197

■ 41.2793, 33.6536,
5.8337

■ 61.0202, 61.6828,
47.7205

■ 39.5761, 30.6125,
4.1396

■ 66.1872, 68.1707,
61.3006

■ 38.8686, 29.2942,
3.6057

■ 71.9567, 75.2222,
77.0576

■ 78.3497, 82.8524,
95.0830

■ 83.9025, 90.4820,
107.6504

■ 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.



56.1107, 45.4397, 26.9385



48.9000, 45.4397, 19.0254



40.9036, 45.4397, 17.7759

Triad

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



48.9000, 45.4397, 19.0254



29.8720, 45.4397, 56.4441



53.4103, 45.4397, 91.6008

Complementary

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



48.9000, 45.4397, 19.0254



33.5119, 35.8675, 80.0194

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.



45.5581, 45.4397, 105.9864



48.9000, 45.4397, 19.0254



32.4211, 45.4397, 82.0020

Square

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



48.9000, 45.4397, 19.0254



30.5368, 45.4397, 35.3914



37.9411, 45.4397, 102.0210



58.9272, 45.4397, 66.8751

Rectangle

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



48.9000, 45.4397, 19.0254



36.2828, 45.4397, 20.3508



37.9411, 45.4397, 102.0210



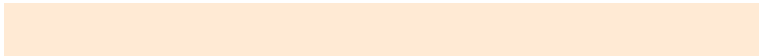
50.9205, 45.4397, 98.1024

Sweetspot

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



48.9011, 45.4419, 19.0263



82.3595, 84.5558, 74.0362



44.4124, 29.2954, 39.6315



17.3391, 17.7375, 15.0802



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.



48.9011, 45.4419, 19.0263



57.6094, 51.2659, 15.8117



63.3779, 74.3955, 23.8519



14.9743, 15.5624, 15.1191



22.1279, 16.8299, 2.0822



1.7281, 1.4295, 0.1848

Inverse Universe

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



33.5119, 35.8675, 80.0194



36.3610, 38.0488, 100.0355



24.7270, 18.2977, 77.0911



14.1704, 15.0621, 18.3048



11.6204, 10.3028, 43.7594



0.9516, 0.9470, 3.2646

Previews

White Background



This preview shows how the XYZ color 48.9000, 45.4397, 19.0254 looks on a white background.

Color Contrast Check

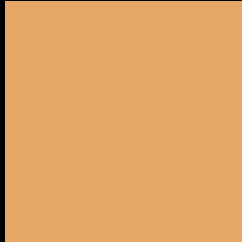
Large Text (above 18pt) WCAG AA × Fail

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 48.9000, 45.4397, 19.0254 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 48.9000, 45.4397, 19.0254

Background



This preview shows how black text looks on a background with the XYZ color 48.9000, 45.4397, 19.0254.



This preview shows how white text looks on a background with the XYZ color 48.9000, 45.4397,

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

48.9000, 45.4397, 19.0254

Protanopia

42.0540, 45.5955, 20.7717

Deuteranopia

46.3642, 45.5244, 18.9138



Tritanopia

54.0098, 45.3987, 44.4443

Trichromacy



Original Color

48.9000, 45.4397, 19.0254

Protanomaly

44.2260, 45.2559, 20.0400

Deuteranomaly

47.2044, 45.3967, 18.8449

Tritanomaly

51.7129, 45.2396, 33.2007

Monochromacy



Original Color

48.9000, 45.4397, 19.0254

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.2046, 44.9001, 35.6149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9000, 45.4397, 19.0254 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, 167, 103)` looks like.

```
.text, #text, p{  
    color:rgb(230, 167, 103)  
}
```

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, 167, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 167, 103) }
```

Border

The CSS property to change the border of an element to XYZ 48.9000, 45.4397, 19.0254 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, 167, 103) }
```


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

```
.border{ border-color:rgb(230, 167, 103) }
```

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

Here you see how a box with a 4 pixel rgb(230, 167, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 167, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 167, 103);  
box-shadow:4px 4px 4px 4px rgb(230, 167,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9000, 45.4397, 19.0254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 167, 103) }
```

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

```
.background{ background-color: rgb(230,  
167, 103) }
```

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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