

Converting Colors

XYZ(45.8183, 43.3709, 16.0818)

Have a look what the booklet for
XYZ(45.8183, 43.3709, 16.0818)
contains.

XYZ(45.8183, 43.3709, 16.0818)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.8183, 43.3709,
16.0818)**

Conversions

Conversions Part 1

Format	Color
Hex	DFA55C
RGB	223, 165, 92
RGB Percent	87%, 65%, 36%
CMY	0.1255, 0.3529, 0.6392
CMYK	0.00, 0.26, 0.59, 0.13
HSL	33°, 67%, 62%
HSV	33°, 59%, 87%
XYZ	45.8183, 43.3709, 16.0818
YIQ	174.0200, 58.0010, -10.4070

Conversions

Conversions Part 2

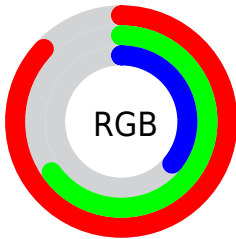
Format	Color
RYB	196, 223, 92
Decimal	14656860
CIELab	71.81, 13.57, 45.67
CIElCh	72, 47.644, 73.450
Yxy	43.3709, 0.4352, 0.4120
Android (android.graphics.Color)	4292846940 (0xFFDFA55C)
YUV	174.0200, -40.4359, 42.9555
Hunter-Lab	65.8566, 8.9385, 31.6213

Details

The XYZ color **45.8183, 43.3709, 16.0818** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **28.6388, 29.4145, 73.9798**, and the grayscale version is **40.4237, 42.5289, 46.3139**.

A 20% lighter version of the original color is **71.8672, 74.4600, 36.9700**, and **21.6329, 19.8699, 4.8856** is the 20% darker color. If you saturate the color by 10%, you get **43.2710, 39.6135, 11.1108**, and if you desaturate by 10%, it is **48.7921, 47.5223, 22.6110**.

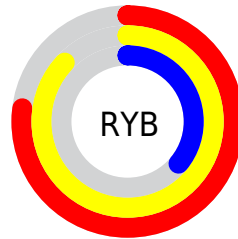
Distribution



Red (87%)

Green (65%)

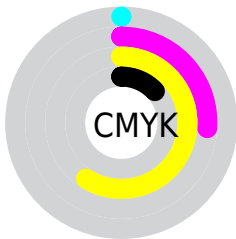
Blue (36%)



Red (77%)

Yellow (87%)

Blue (36%)

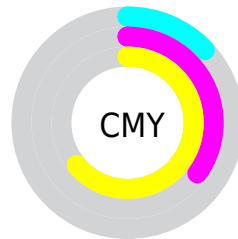


Cyan (0%)

Magenta (26%)

Yellow (59%)

Black (13%)



Cyan (13%)


Magenta (35%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8183, 43.3709, 16.0818 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 45.8183, 43.3709, 16.0818 by changing the saturation by 10% instead.


 45.8183, 43.3709,
16.0818


 45.8183, 43.3709,
16.0818


360.8059,
360.1349, 241.6861

 32.3065, 30.1762,
9.4271


 83.1765, 80.2703,
37.5089


 21.7524, 19.9724,
4.9202


 107.7537,
104.7438, 53.1184

 13.7906, 12.3750,
2.1426


 136.7499,
133.7456, 72.5499

 8.0559, 6.9996,
0.6409

 170.5307,
167.6603, 96.2219

 4.1829, 3.4618,
0.0000

209.4613,
206.8722, 124.5530

 1.8061, 1.3773,
0.0000

253.9071,

 0.5213, 0.1999,

251.7656, 157.9617

0.0000

304.2335,
302.7251, 196.8665

■ 0.0000, 0.0000,
0.0000

■ 45.8183, 43.3709,
16.0818

■ 45.8183, 43.3709,
16.0818

■ 43.2710, 39.6135,
11.1108

■ 48.7921, 47.5223,
22.6110

■ 41.1179, 36.2271,
7.5575

■ 52.2150, 52.0763,
30.8173

■ 39.3262, 33.1951,
5.2601

■ 56.1115, 57.0492,
40.8106

■ 37.8458, 30.4923,
3.9714

■ 60.5033, 62.4540,
52.6908

■ 37.6735, 30.1724,
3.8382

■ 65.4105, 68.3032,
66.5505

■ 70.8518, 74.6085,
82.4758

■ 76.8453, 81.3813,
100.5479

■ 80.8274, 87.6002,
107.2562

■ 83.8778, 93.7010,
108.2730

Harmonies

Analogous

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



53.5891, 43.3709, 22.7189



45.8183, 43.3709, 16.0818



37.7068, 43.3709, 15.7792

Triad

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



45.8183, 43.3709, 16.0818



27.8599, 43.3709, 58.3713



52.8827, 43.3709, 87.5500

Complementary

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



45.8183, 43.3709, 16.0818



28.6388, 29.4145, 73.9798

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.



44.9508, 43.3709, 105.2128



45.8183, 43.3709, 16.0818



30.9222, 43.3709, 85.0008

Square

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



45.8183, 43.3709, 16.0818



28.0281, 43.3709, 35.6276



36.9452, 43.3709, 104.1512



58.0189, 43.3709, 61.0966

Rectangle

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



45.8183, 43.3709, 16.0818



33.2233, 43.3709, 18.9362



36.9452, 43.3709, 104.1512



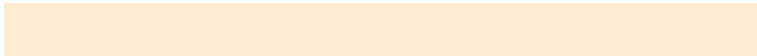
50.4131, 43.3709, 95.0477

Sweetspot

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



45.8193, 43.3730, 16.0826



82.3777, 85.1018, 72.4711



39.8406, 25.5754, 32.0940



17.2409, 17.7402, 14.4330



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.



45.8193, 43.3730, 16.0826



58.0827, 52.8302, 14.0649



56.7713, 68.2153, 20.3005



14.3376, 14.9611, 14.4389



22.2661, 17.9700, 2.2950



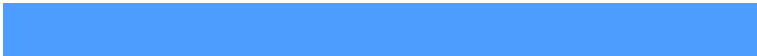
1.6322, 1.4233, 0.1887

Inverse Universe

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



28.6388, 29.4145, 73.9798



32.8790, 32.3944, 99.1276



22.2434, 15.6099, 71.6523



13.4490, 14.2370, 17.4269



10.5484, 8.5664, 42.1459



0.8193, 0.7701, 2.9507

Previews

White Background



This preview shows how the XYZ color 45.8183, 43.3709, 16.0818 looks on a white background.

Color Contrast Check

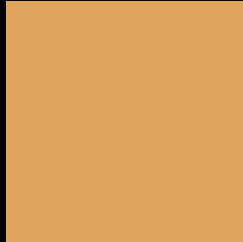
Large Text (above 18pt) WCAG AA × Fail

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 45.8183, 43.3709, 16.0818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

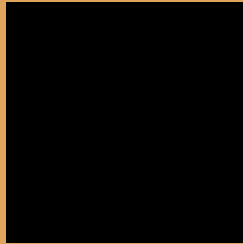
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8183, 43.3709, 16.0818

Background



This preview shows how black text looks on a background with the XYZ color 45.8183, 43.3709, 16.0818.



This preview shows how white text looks on a background with the XYZ color 45.8183, 43.3709,

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

45.8183, 43.3709, 16.0818

Protanopia

39.8848, 43.3645, 17.3344

Deuteranopia

44.2099, 43.3595, 15.9366



Tritanopia

51.2694, 43.2621, 42.6940

Trichromacy



Original Color

45.8183, 43.3709, 16.0818

Protanomaly

41.9949, 43.3104, 16.9728

Deuteranomaly

44.9205, 43.4528, 15.9172

Tritanomaly

48.8103, 43.0206, 30.5422

Monochromacy



Original Color

45.8183, 43.3709, 16.0818

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.3352, 42.3459, 32.3805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8183, 43.3709, 16.0818 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(223, 165, 92)` looks like.

```
.text, #text, p{  
    color:rgb(223, 165, 92)  
}
```

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(223, 165, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 165, 92) }
```

Border

The CSS property to change the border of an element to XYZ 45.8183, 43.3709, 16.0818 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(223, 165, 92) }
```


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

```
.border{ border-color:rgb(223, 165, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 165, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 165, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 165, 92);  
box-shadow:4px 4px 4px 4px rgb(223, 165,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8183, 43.3709, 16.0818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 165, 92) }
```

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

```
.background{ background-color: rgb(223,  
165, 92) }
```

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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