

Converting Colors

XYZ(48.8993, 45.9933, 18.8707)

Have a look what the booklet for
XYZ(48.8993, 45.9933, 18.8707)
contains.

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Color

**XYZ(48.8993, 45.9933,
18.8707)**

Conversions

Conversions Part 1

Format	Color
Hex	E5A966
RGB	229, 169, 102
RGB Percent	90%, 66%, 40%
CMY	0.1020, 0.3372, 0.6000
CMYK	0.00, 0.26, 0.55, 0.10
HSL	32°, 71%, 65%
HSV	32°, 55%, 90%
XYZ	48.8993, 45.9933, 18.8707
YIQ	179.3020, 57.2670, -8.1170

Conversions

Conversions Part 2

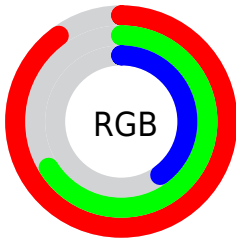
Format	Color
R_{YB}	216, 229, 102
Decimal	15051110
CIE _{Lab}	73.54, 14.69, 42.87
CIE _{LCh}	74, 45.320, 71.087
Yxy	45.9933, 0.4298, 0.4043
Android (android.graphics.Color)	4293241190 (0xFFE5A966)
YUV	179.3020, -38.1099, 43.5851
Hunter-Lab	67.8184, 10.0223, 30.9752

Details

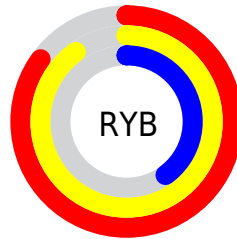
The XYZ color **48.8993, 45.9933, 18.8707** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.5419, 34.3209, 79.0377**, and the grayscale version is **43.1856, 45.4346, 49.4783**.

A 20% lighter version of the original color is **73.7284, 76.9044, 41.5300**, and **23.5587, 21.5166, 6.1602** is the 20% darker color. If you saturate the color by 10%, you get **45.9869, 41.7420, 13.0499**, and if you desaturate by 10%, it is **52.2941, 50.7076, 26.4006**.

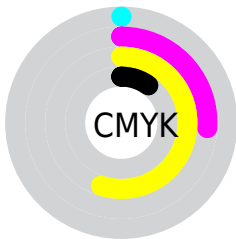
Distribution



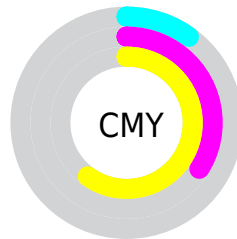
- Red (90%)
- Green (66%)
- Blue (40%)



- Red (85%)
- Yellow (90%)
- Blue (40%)



- Cyan (0%)
- Magenta (26%)
- Yellow (55%)
- Black (10%)





- Cyan (10%)
- Magenta (34%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8993, 45.9933, 18.8707 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 48.8993, 45.9933, 18.8707 by changing the saturation by 10% instead.


 48.8993, 45.9933,
18.8707


 48.8993, 45.9933,
18.8707


372.8693,
370.7817, 258.1329

 34.7538, 32.2405,
11.4010


 87.7435, 84.2090,
42.3493


 23.6389, 21.5453,
6.2197


 113.1729,
109.4407, 59.1953

 15.1893, 13.5232,
2.9082


 143.0944,
139.2675, 80.0038

 9.0395, 7.7898,
1.0479

 177.8732,
174.0737, 105.1933

 4.8243, 3.9607,
0.0000

217.8747,
214.2439, 135.1825

 2.1782, 1.6516,
0.0000

263.4643,

 0.7312, 0.3920,

260.1624, 170.3898

0.0000

315.0074,
312.2135, 211.2337

■ 0.0000, 0.0000,
0.0000

■ 48.8993, 45.9933,
18.8707

■ 48.8993, 45.9933,
18.8707

■ 45.9869, 41.7420,
13.0499

■ 52.2941, 50.7076,
26.4006

■ 43.5231, 37.9283,
8.7943

■ 56.1953, 55.8954,
35.7619

■ 41.4739, 34.5339,
5.9409

■ 60.6292, 61.5748,
47.0689

■ 39.7969, 31.5347,
4.2880

■ 65.6188, 67.7610,
60.4254

■ 39.1285, 30.2892,
3.7841

■ 71.1857, 74.4681,
75.9282

■ 77.3504, 81.7099,
93.6676

■ 82.9340, 89.0201,
107.4193

■ 86.1229, 95.3979,
108.4822

Harmonies

Analogous

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



56.3798, 45.9933, 26.3265



48.8993, 45.9933, 18.8707



40.8204, 45.9933, 18.0694

Triad

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



48.8993, 45.9933, 18.8707



30.2775, 45.9933, 59.0474



54.6370, 45.9933, 91.2181

Complementary

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



48.8993, 45.9933, 18.8707



32.5419, 34.3209, 79.0377

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.



46.7438, 45.9933, 107.0250



48.8993, 45.9933, 18.8707



33.1052, 45.9933, 85.0152

Square

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



48.8993, 45.9933, 18.8707



30.7054, 45.9933, 37.1003



38.9112, 45.9933, 104.4606



59.9617, 45.9933, 65.7780

Rectangle

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



48.8993, 45.9933, 18.8707



36.2362, 45.9933, 21.0088



38.9112, 45.9933, 104.4606



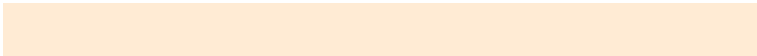
52.1584, 45.9933, 98.1397

Sweetspot

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



48.9004, 45.9956, 18.8716



82.6511, 85.1389, 74.1334



43.7098, 28.8192, 38.0899



17.4080, 17.8751, 15.1031



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.



48.9004, 45.9956, 18.8716



58.0385, 52.2872, 15.4518



62.0591, 73.3094, 23.4502



15.0032, 15.6204, 15.1287



22.4935, 17.5612, 2.2041



1.7551, 1.4835, 0.1938

Inverse Universe

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



32.5419, 34.3209, 79.0377



35.1493, 35.9711, 99.6983



24.6170, 18.1104, 76.3264



14.1415, 15.0044, 18.2951



11.2816, 9.6253, 43.6464



0.9261, 0.8961, 3.2561

Previews

White Background



This preview shows how the XYZ color 48.8993, 45.9933, 18.8707 looks on a white background.

Color Contrast Check

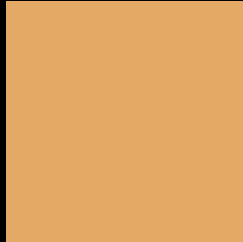
Large Text (above 18pt) WCAG AA × Fail

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 48.8993, 45.9933, 18.8707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

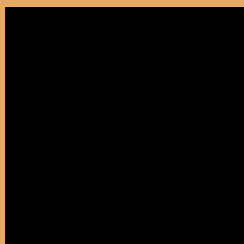
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.8993, 45.9933, 18.8707

Background



This preview shows how black text looks on a background with the XYZ color 48.8993, 45.9933, 18.8707.



This preview shows how white text looks on a background with the XYZ color 48.8993, 45.9933,

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

48.8993, 45.9933, 18.8707

Protanopia

42.4141, 46.0941, 20.2973

Deuteranopia

47.1113, 46.1989, 18.7462



Tritanopia

54.5486, 46.1690, 45.5717

Trichromacy



Original Color

48.8993, 45.9933, 18.8707

Protanomaly

44.5664, 46.0195, 19.8984

Deuteranomaly

47.8420, 46.2919, 18.7256

Tritanomaly

52.1462, 45.9811, 33.7306

Monochromacy



Original Color

48.8993, 45.9933, 18.8707

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.9418, 44.7646, 35.6026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8993, 45.9933, 18.8707 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(229, 169, 102)` looks like.

```
.text, #text, p{  
    color:rgb(229, 169, 102)  
}
```

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(229, 169, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 169, 102) }
```

Border

The CSS property to change the border of an element to XYZ 48.8993, 45.9933, 18.8707 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(229, 169, 102) }
```


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

```
.border{ border-color:rgb(229, 169, 102) }
```

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

Here you see how a box with a 4 pixel rgb(229, 169, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 169, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 169, 102);  
box-shadow:4px 4px 4px 4px rgb(229, 169,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8993, 45.9933, 18.8707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 169, 102) }
```

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

```
.background{ background-color: rgb(229,  
169, 102) }
```

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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