

Converting Colors

XYZ(48.2488, 46.0289, 20.6692)

Have a look what the booklet for
XYZ(48.2488, 46.0289, 20.6692)
contains.

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Color

**XYZ(48.1864, 45.8611,
20.7804)**

Conversions

Conversions Part 1

Format	Color
Hex	E1AA6D
RGB	225, 170, 109
RGB Percent	88%, 67%, 43%
CMY	0.1176, 0.3333, 0.5725
CMYK	0.00, 0.24, 0.52, 0.12
HSL	32°, 66%, 65%
HSV	32°, 52%, 88%
XYZ	48.1864, 45.8611, 20.7804
YIQ	179.4910, 52.3610, -7.3110

Conversions

Conversions Part 2

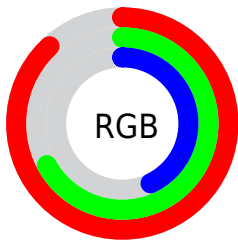
Format	Color
RYB	214, 225, 109
Decimal	14789229
CIELab	73.46, 13.10, 39.08
CIELCh	73, 41.222, 71.465
Yxy	45.8611, 0.4196, 0.3994
Android (android.graphics.Color)	4292979309 (0xFFE1AA6D)
YUV	179.4910, -34.7521, 39.9114
Hunter-Lab	67.7208, 8.4993, 29.2112

Details

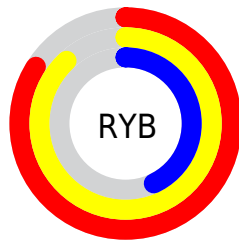
The XYZ color **48.1864, 45.8611, 20.7804** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **33.1722, 35.2370, 76.2871**, and the grayscale version is **43.2712, 45.5247, 49.5764**.

A 20% lighter version of the original color is **74.6868, 77.7191, 45.2473**, and **23.2304, 21.4986, 7.2002** is the 20% darker color. If you saturate the color by 10%, you get **45.2078, 41.6005, 14.5575**, and if you desaturate by 10%, it is **51.6396, 50.5748, 28.6917**.

Distribution



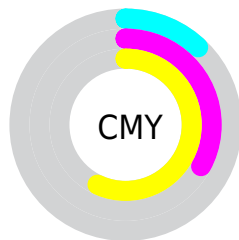
- Red (88%)
- Green (67%)
- Blue (43%)



- Red (84%)
- Yellow (88%)
- Blue (43%)



- Cyan (0%)
- Magenta (24%)
- Yellow (52%)
- Black (12%)





- Cyan (12%)
- Magenta (33%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1864, 45.8611, 20.7804 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 48.1864, 45.8611, 20.7804 by changing the saturation by 10% instead.


 48.1864, 45.8611,
20.7804


 48.1864, 45.8611,
20.7804


370.1008,
370.2499, 268.8517


 34.1864, 32.1362,
12.7739


 86.6899, 84.0111,
45.5978


 23.2004, 21.4656,
7.1441


 111.9241,
109.2050, 63.2458

 14.8631, 13.4647,
3.4726


 141.6337,
138.9907, 84.9447

 8.8090, 7.7493,
1.3407

 176.1841,
173.7526, 111.1130

 4.6729, 3.9350,
0.0948

215.9407,
213.8750, 142.1694

 2.0894, 1.6373,
0.0000

261.2687,

 0.6835, 0.3825,

259.7425, 178.5322

0.0000

312.5337,
311.7393, 220.6202

■ 0.0000, 0.0000,
0.0000

■ 48.1864, 45.8611,
20.7804

■ 48.1864, 45.8611,
20.7804

■ 45.2078, 41.6005,
14.5575

■ 51.6396, 50.5748,
28.6917

■ 42.6723, 37.7688,
9.8918

■ 55.5892, 55.7508,
38.4038

■ 40.5494, 34.3494,
6.6370

■ 60.0597, 61.4064,
50.0223

■ 38.8018, 31.3206,
4.6166

■ 65.0727, 67.5559,
63.6439

■ 37.5685, 29.0419,
3.6256

■ 70.6484, 74.2128,
79.3586

■ 76.8059, 81.3898,
97.2511

■ 81.6556, 88.3363,
107.3546

■ 84.8613, 94.7475,
108.4232

Harmonies

Analogous

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



54.9275, 45.8611, 27.8381



48.1864, 45.8611, 20.7804



40.8693, 45.8611, 20.0763

Triad

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



48.1864, 45.8611, 20.7804



31.2737, 45.8611, 58.3238



53.5177, 45.8611, 86.3484

Complementary

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



48.1864, 45.8611, 20.7804



33.1722, 35.2370, 76.2871

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.



46.4280, 45.8611, 100.3503



48.1864, 45.8611, 20.7804



33.9302, 45.8611, 81.4160

Square

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



48.1864, 45.8611, 20.7804



31.6326, 45.8611, 38.2582



39.2949, 45.8611, 98.3292



58.2337, 45.8611, 63.7744

Rectangle

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



48.1864, 45.8611, 20.7804



36.6918, 45.8611, 22.9776



39.2949, 45.8611, 98.3292



51.3019, 45.8611, 92.4632

Sweetspot

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



48.1875, 45.8633, 20.7813



83.9772, 86.7475, 77.7931



43.3178, 29.6643, 39.0722



17.6708, 18.1953, 15.8243



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.



48.1875, 45.8633, 20.7813



59.7235, 54.7821, 18.7111



60.1375, 70.6530, 24.9364



14.3008, 14.8876, 14.4266



21.7667, 16.9713, 2.1285



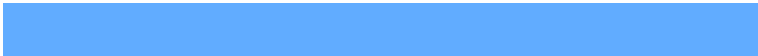
1.5982, 1.3553, 0.1774

Inverse Universe

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



33.1722, 35.2370, 76.2871



37.6939, 39.2055, 100.1885



25.6068, 19.7492, 73.6964



13.4853, 14.3097, 17.4390



10.9568, 9.3831, 42.2820



0.8486, 0.8287, 2.9605

Previews

White Background



This preview shows how the XYZ color 48.1864, 45.8611, 20.7804 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 48.1864, 45.8611, 20.7804 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 48.1864, 45.8611, 20.7804

Background



This preview shows how black text looks on a background with the XYZ color 48.1864, 45.8611, 20.7804.



This preview shows how white text looks on a background with the XYZ color 48.1864, 45.8611,

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

48.1864, 45.8611, 20.7804

Protanopia

42.5305, 46.1103, 22.2814

Deuteranopia

46.8638, 46.0299, 20.6020



Tritanopia

53.5153, 45.8856, 46.0806

Trichromacy



Original Color

48.1864, 45.8611, 20.7804

Protanomaly

44.3789, 45.8795, 21.8458

Deuteranomaly

47.2781, 45.9599, 20.5667

Tritanomaly

51.2733, 45.7703, 34.9863

Monochromacy



Original Color

48.1864, 45.8611, 20.7804

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.1230, 45.1195, 36.9553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1864, 45.8611, 20.7804 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(225, 170, 109)` looks like.

```
.text, #text, p{  
    color:rgb(225, 170, 109)  
}
```

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(225, 170, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 170, 109) }
```

Border

The CSS property to change the border of an element to XYZ 48.1864, 45.8611, 20.7804 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(225, 170, 109) }
```


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

```
.border{ border-color:rgb(225, 170, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 170, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 170, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 170, 109);  
box-shadow:4px 4px 4px 4px rgb(225, 170,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1864, 45.8611, 20.7804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 170, 109) }
```

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

```
.background{ background-color: rgb(225,  
170, 109) }
```

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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