

Converting Colors

XYZ(49.6801, 45.2072, 23.2470)

Have a look what the booklet for
XYZ(49.6801, 45.2072, 23.2470)
contains.

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Color

**XYZ(49.6801, 45.2072,
23.2470)**

Conversions

Conversions Part 1

Format	Color
Hex	E7A576
RGB	231, 165, 118
RGB Percent	91%, 65%, 46%
CMY	0.0941, 0.3529, 0.5372
CMYK	0.00, 0.29, 0.49, 0.09
HSL	25°, 70%, 68%
HSV	25°, 49%, 91%
XYZ	49.6801, 45.2072, 23.2470
YIQ	179.3760, 54.4230, -0.6250

Conversions

Conversions Part 2

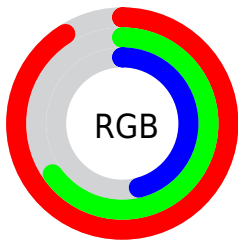
Format	Color
R _Y B	231, 198, 118
Decimal	15181174
CIE Lab	73.03, 19.02, 33.96
CIE LCh	73, 38.925, 60.745
Yxy	45.2072, 0.4205, 0.3827
Android (android.graphics.Color)	4293371254 (0xFFE7A576)
YUV	179.3760, -30.2584, 45.2742
Hunter-Lab	67.2363, 14.2280, 26.5658

Details

The XYZ color **49.6801, 45.2072, 23.2470** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.0346, 43.9000, 82.0171**, and the grayscale version is **43.1856, 45.4346, 49.4783**.

A 20% lighter version of the original color is **74.1839, 75.3867, 49.1692**, and **24.2129, 21.1242, 8.4314** is the 20% darker color. If you saturate the color by 10%, you get **46.1657, 40.1127, 16.1124**, and if you desaturate by 10%, it is **53.7896, 50.9539, 32.2391**.

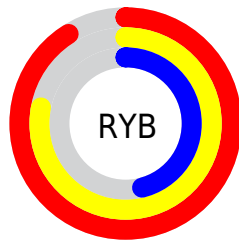
Distribution



Red (91%)

Green (65%)

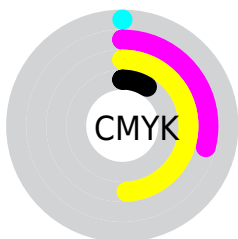
Blue (46%)



Red (91%)

Yellow (78%)

Blue (46%)

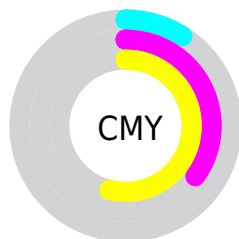


Cyan (0%)

Magenta (29%)

Yellow (49%)

Black (9%)



Cyan (9%)


Magenta (35%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6801, 45.2072, 23.2470 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 49.6801, 45.2072, 23.2470 by changing the saturation by 10% instead.


 49.6801, 45.2072,
23.2470


 49.6801, 45.2072,
23.2470


375.8863,
367.6121, 282.1540


 35.3760, 31.6207,
14.5690


 88.8954, 83.0313,
49.7269

 24.1206, 21.0719,
8.3742


 114.5373,
108.0376, 68.3659

 15.5483, 13.1766,
4.2441

 144.6892,
137.6192, 91.1623

 9.2939, 7.5503,
1.7602

179.7165,
172.1607, 118.5346

 4.9920, 3.8085,
0.4015

219.9845,
212.0463, 150.9014

 2.2773, 1.5670,
0.0000

265.8586,

 0.7830, 0.3352,

257.6605, 188.6812

0.0000

317.7041,
309.3876, 232.2926

■ 0.0000, 0.0000,
0.0000

■ 49.6801, 45.2072,
23.2470

■ 49.6801, 45.2072,
23.2470

■ 46.1657, 40.1127,
16.1124

■ 53.7896, 50.9539,
32.2391

■ 43.2101, 35.6381,
10.6985

■ 58.5209, 57.3705,
43.2067

■ 40.7776, 31.7575,
6.8534

■ 63.9029, 64.4818,
56.2613

■ 38.8260, 28.4399,
4.3972

■ 69.9614, 72.3093,
71.5051

■ 37.2944, 25.6460,
3.0564

■ 76.7210, 80.8737,
89.0335

■ 37.1460, 25.3711,
2.9393

■ 83.9459, 90.0909,
107.5726

■ 86.7648, 95.7288,
108.5123

Harmonies

Analogous

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



55.2141, 45.2072, 32.4536



49.6801, 45.2072, 23.2470



42.7983, 45.2072, 20.4708

Triad

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



49.6801, 45.2072, 23.2470



31.1749, 45.2072, 49.7115



50.0052, 45.2072, 88.9315

Complementary

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



49.6801, 45.2072, 23.2470



39.0346, 43.9000, 82.0171

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.



43.1383, 45.2072, 96.9647



49.6801, 45.2072, 23.2470



32.6815, 45.2072, 70.9559

Square

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



49.6801, 45.2072, 23.2470



32.5400, 45.2072, 33.0967



36.8896, 45.2072, 89.6558



55.4153, 45.2072, 69.8851

Rectangle

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



49.6801, 45.2072, 23.2470



38.5010, 45.2072, 21.8517



36.8896, 45.2072, 89.6558



47.7680, 45.2072, 93.2041

Sweetspot

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



49.6812, 45.2094, 23.2479



82.7750, 84.3429, 77.3924



48.2752, 33.4828, 50.2616



17.3820, 17.6177, 15.7281



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.



49.6812, 45.2094, 23.2479



57.6100, 49.9572, 19.8500



61.7394, 69.3258, 27.2673



14.8671, 15.3480, 15.0833



20.9407, 14.4555, 1.6865



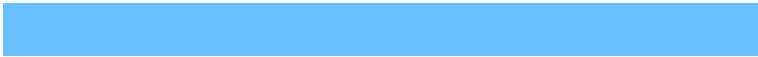
1.6374, 1.2481, 0.1546

Inverse Universe

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



39.0346, 43.9000, 82.0171



42.7641, 48.0784, 101.6339



29.7852, 25.4012, 78.9340



14.2787, 15.2787, 18.3409



13.0615, 13.1851, 44.2397



1.0564, 1.1567, 3.2996

Previews

White Background



This preview shows how the XYZ color 49.6801, 45.2072, 23.2470 looks on a white background.

Color Contrast Check

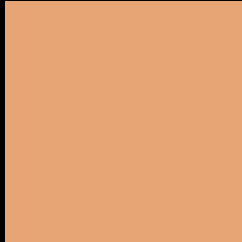
Large Text (above 18pt) WCAG AA × Fail

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 49.6801, 45.2072, 23.2470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

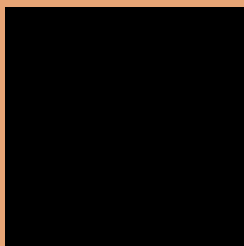
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6801, 45.2072, 23.2470

Background



This preview shows how black text looks on a background with the XYZ color 49.6801, 45.2072, 23.2470.



This preview shows how white text looks on a background with the XYZ color 49.6801, 45.2072,

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

49.6801, 45.2072, 23.2470

Protanopia

42.2075, 45.5671, 25.6395

Deuteranopia

46.2823, 45.3883, 23.1511



Tritanopia

53.7435, 45.0182, 43.8870

Trichromacy



Original Color

49.6801, 45.2072, 23.2470

Protanomaly

44.5750, 45.3305, 24.8127

Deuteranomaly

47.2176, 45.0324, 23.0331

Tritanomaly

52.2625, 45.2165, 35.2513

Monochromacy



Original Color

49.6801, 45.2072, 23.2470

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.5106, 44.7122, 38.1826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6801, 45.2072, 23.2470 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(231, 165, 118)` looks like.

```
.text, #text, p{  
    color:rgb(231, 165, 118)  
}
```

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(231, 165, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 165, 118) }
```

Border

The CSS property to change the border of an element to XYZ 49.6801, 45.2072, 23.2470 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(231, 165, 118) }
```


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

```
.border{ border-color:rgb(231, 165, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 165, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 165, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 165, 118);  
box-shadow:4px 4px 4px 4px rgb(231, 165,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6801, 45.2072, 23.2470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 165, 118) }
```

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

```
.background{ background-color: rgb(231,  
165, 118) }
```

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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