

Converting Colors

XYZ(50.5452, 48.0858, 24.9920)

Have a look what the booklet for
XYZ(50.5452, 48.0858, 24.9920)
contains.

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Color

**XYZ(50.6438, 48.1712,
25.0411)**

Conversions

Conversions Part 1

Format	Color
Hex	E4AE7A
RGB	228, 174, 122
RGB Percent	89%, 68%, 48%
CMY	0.1059, 0.3176, 0.5216
CMYK	0.00, 0.24, 0.46, 0.11
HSL	29°, 66%, 69%
HSV	29°, 46%, 89%
XYZ	50.6438, 48.1712, 25.0411
YIQ	184.2180, 48.8760, -4.7240

Conversions

Conversions Part 2

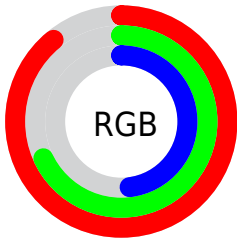
Format	Color
R _Y B	228, 224, 122
Decimal	14986874
CIE Lab	74.93, 13.40, 34.25
CIE LCh	75, 36.774, 68.629
Yxy	48.1712, 0.4089, 0.3889
Android (android.graphics.Color)	4293176954 (0xFFE4AE7A)
YUV	184.2180, -30.6735, 38.3968
Hunter-Lab	69.4055, 8.7883, 27.1923

Details

The XYZ color **50.6438, 48.1712, 25.0411** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.5543, 40.7881, 79.2922**, and the grayscale version is **45.8269, 48.2134, 52.5044**.

A 20% lighter version of the original color is **76.9972, 80.3938, 52.0168**, and **24.7068, 22.9330, 9.2552** is the 20% darker color. If you saturate the color by 10%, you get **47.2461, 43.3776, 17.7376**, and if you desaturate by 10%, it is **54.5693, 53.4900, 34.1565**.

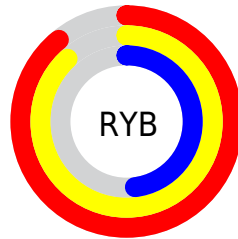
Distribution



Red (89%)

Green (68%)

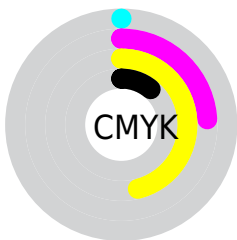
Blue (48%)



Red (89%)

Yellow (88%)

Blue (48%)

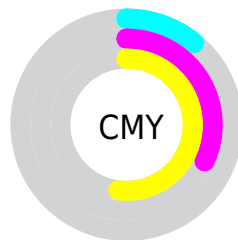


Cyan (0%)

Magenta (24%)

Yellow (46%)

Black (11%)



Cyan (11%)


Magenta (32%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6438, 48.1712, 25.0411 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 50.6438, 48.1712, 25.0411 by changing the saturation by 10% instead.


 50.6438, 48.1712,
25.0411


 50.6438, 48.1712,
25.0411


379.5888,
379.4703, 291.4968

 36.1451, 33.9625,
15.8884


 90.3142, 87.4592,
52.6888

 24.7169, 22.8648,
9.2917

 116.2165,
113.3074, 72.0209

 15.9939, 14.4937,
4.8325


 146.6508,
143.8041, 95.5832

 9.6106, 8.4648,
2.0923

181.9824,
179.3338, 123.7943

 5.2018, 4.3938,
0.6112

222.5767,
220.2809, 157.0726

 2.4021, 1.8962,
0.0000

268.7989,

 0.8462, 0.5461,

267.0297, 195.8368

0.0000

321.0145,
319.9647, 240.5053

0.0000, 0.0000,
0.0000

50.6438, 48.1712,
25.0411

50.6438, 48.1712,
25.0411

47.2461, 43.3776,
17.7376

54.5693, 53.4900,
34.1565

44.3443, 39.0832,
12.1176

59.0451, 59.3451,
45.1943

41.9078, 35.2693,
8.0401

64.0962, 65.7555,
58.2595

39.9002, 31.9130,
5.3395

69.7453, 72.7374,
73.4488

38.2767, 28.9875,
3.8075

76.0133, 80.3061,
90.8524

■ 37.7736, 28.0514,
3.4236

■ 82.3022, 88.2288,
107.2998

■ 85.8048, 95.2339,
108.4673

Harmonies

Analogous

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



56.6087, 48.1712, 32.6188



50.6438, 48.1712, 25.0411



43.8788, 48.1712, 23.7683

Triad

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



50.6438, 48.1712, 25.0411



34.1894, 48.1712, 58.1849



54.3108, 48.1712, 86.8886

Complementary

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



50.6438, 48.1712, 25.0411



37.5543, 40.7881, 79.2922

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.



47.7461, 48.1712, 98.0563



50.6438, 48.1712, 25.0411



36.4377, 48.1712, 79.0292

Square

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



50.6438, 48.1712, 25.0411



34.8023, 48.1712, 40.1177



41.2479, 48.1712, 94.8741



58.8653, 48.1712, 67.0819

Rectangle

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



50.6438, 48.1712, 25.0411



39.8840, 48.1712, 26.2667



41.2479, 48.1712, 94.8741



52.2417, 48.1712, 91.9729

Sweetspot

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



50.6450, 48.1735, 25.0421



84.2964, 86.8516, 79.5462



46.8672, 33.5785, 45.4846



17.7179, 18.1844, 16.1641



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.



50.6450, 48.1735, 25.0421



60.9570, 55.9967, 22.9833



62.7676, 72.4187, 29.0829



14.9579, 15.5297, 15.1136



21.9300, 16.4341, 2.0163



1.7133, 1.4000, 0.1799

Inverse Universe

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



37.5543, 40.7881, 79.2922



42.0940, 45.3508, 101.1427



29.2085, 24.0964, 76.5102



14.1867, 15.0949, 18.3102



11.8209, 10.7039, 43.8262



0.9665, 0.9769, 3.2696

Previews

White Background



This preview shows how the XYZ color 50.6438, 48.1712, 25.0411 looks on a white background.

Color Contrast Check

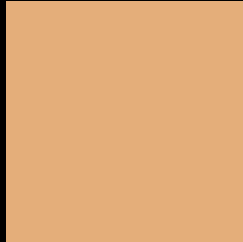
Large Text (above 18pt) WCAG AA × Fail

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 50.6438, 48.1712, 25.0411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

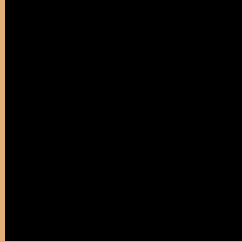
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6438, 48.1712, 25.0411

Background



This preview shows how black text looks on a background with the XYZ color 50.6438, 48.1712, 25.0411.



This preview shows how white text looks on a background with the XYZ color 50.6438, 48.1712,

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

50.6438, 48.1712, 25.0411

Protanopia

44.9343, 48.4836, 26.7287

Deuteranopia

49.2975, 48.3544, 24.8242



Tritanopia

55.5597, 48.2157, 49.0261

Trichromacy



Original Color

50.6438, 48.1712, 25.0411

Protanomaly

46.8039, 48.2301, 26.2445

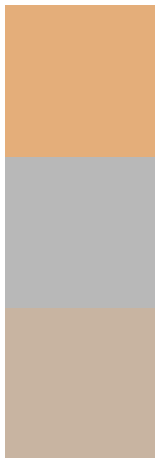
Deuteranomaly

49.7170, 48.2784, 24.7875

Tritanomaly

53.5013, 48.2070, 38.8328

Monochromacy



Original Color

50.6438, 48.1712, 25.0411

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.5737, 47.4951, 40.4310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6438, 48.1712, 25.0411 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(228, 174, 122)` looks like.

```
.text, #text, p{  
    color:rgb(228, 174, 122)  
}
```

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(228, 174, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 174, 122) }
```

Border

The CSS property to change the border of an element to XYZ 50.6438, 48.1712, 25.0411 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(228, 174, 122) }
```


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

```
.border{ border-color:rgb(228, 174, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 174, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 174, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 174, 122);  
box-shadow:4px 4px 4px 4px rgb(228, 174,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6438, 48.1712, 25.0411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 174, 122) }
```

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

```
.background{ background-color: rgb(228,  
174, 122) }
```

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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