

Converting Colors

XYZ(45.3207, 49.0273, 11.8526)

Have a look what the booklet for
XYZ(45.3207, 49.0273, 11.8526)
contains.

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Color

**XYZ(45.4258, 49.0651,
11.9268)**

Conversions

Conversions Part 1

Format	Color
Hex	D4B940
RGB	212, 185, 64
RGB Percent	83%, 73%, 25%
CMY	0.1686, 0.2745, 0.7490
CMYK	0.00, 0.13, 0.70, 0.17
HSL	49°, 63%, 54%
HSV	49°, 70%, 83%
XYZ	45.4258, 49.0651, 11.9268
YIQ	179.2790, 54.9330, -31.9070

Conversions

Conversions Part 2

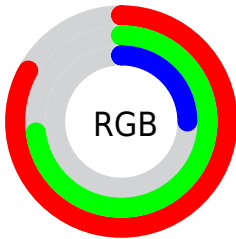
Format	Color
RYB	97, 212, 64
Decimal	13941056
CIELab	75.49, -3.44, 62.05
CIELCh	75, 62.146, 93.171
Yxy	49.0651, 0.4269, 0.4611
Android (android.graphics.Color)	4292131136 (0xFFD4B940)
YUV	179.2790, -56.8325, 28.6963
Hunter-Lab	70.0465, -6.8224, 38.9372

Details

The XYZ color **45.4258, 49.0651, 11.9268** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **17.7392, 13.3254, 63.9243**, and the grayscale version is **43.2712, 45.5247, 49.5764**.

A 20% lighter version of the original color is **75.9653, 85.4786, 29.6348**, and **21.5777, 23.3726, 3.3741** is the 20% darker color. If you saturate the color by 10%, you get **44.1358, 47.2742, 9.0653**, and if you desaturate by 10%, it is **46.9692, 50.9964, 16.0046**.

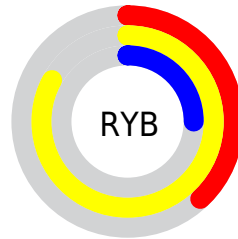
Distribution



Red (83%)

Green (73%)

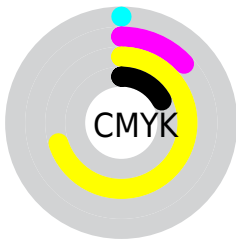
Blue (25%)



Red (38%)

Yellow (83%)

Blue (25%)

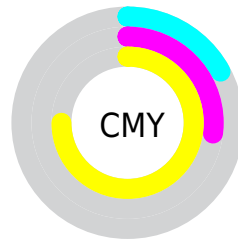


Cyan (0%)

Magenta (13%)

Yellow (70%)

Black (17%)



Cyan (17%)

Magenta (27%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4258, 49.0651, 11.9268 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 45.4258, 49.0651, 11.9268 by changing the saturation by 10% instead.

■ 45.4258, 49.0651,
11.9268

■ 45.4258, 49.0651,
11.9268

359.2501,
382.9985, 214.8808

■ 31.9957, 34.6711,
6.5719

■ 82.5921, 88.7881,
30.0241

■ 21.5137, 23.4096,
3.1215

■ 107.0590,
114.8860, 43.6036

■ 13.6146, 14.8963,
1.1570

■ 135.9356,
145.6539, 60.7618

■ 7.9330, 8.7466,
0.0000

■ 169.5871,
181.4763, 81.9171

■ 4.1036, 4.5763,
0.0000

■ 208.3789,
222.7376, 107.4881

■ 1.7609, 2.0009,
0.0000

252.6765,

■ 0.4939, 0.6080,

269.8221, 137.8934

0.0000

302.8451,
323.1143, 173.5514

■ 0.0000, 0.0000,
0.0000

■ 45.4258, 49.0651,
11.9268

■ 45.4258, 49.0651,
11.9268

■ 44.1358, 47.2742,
9.0653

■ 46.9692, 50.9964,
16.0046

■ 43.0682, 45.6052,
7.2719

■ 48.7862, 53.0707,
21.4184

■ 42.1749, 44.0406,
6.2894

■ 50.8984, 55.2989,
28.2767

■ 42.1585, 44.0114,
6.2731

■ 53.3244, 57.6886,
36.6762

■ 56.0810, 60.2468,
46.7051

■ 59.1840, 62.9801,
58.4449

■ 62.6478, 65.8945,
71.9717

■ 66.4862, 68.9959,
87.3571

■ 70.7123, 72.2895,
104.6684

Harmonies

Analogous

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



57.3097, 49.0651, 14.5662



45.4258, 49.0651, 11.9268



35.5822, 49.0651, 16.0849

Triad

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



45.4258, 49.0651, 11.9268



30.5079, 49.0651, 95.9528



69.2051, 49.0651, 87.2877

Complementary

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



45.4258, 49.0651, 11.9268



17.7392, 13.3254, 63.9243

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.



59.7678, 49.0651, 125.6190



45.4258, 49.0651, 11.9268



37.3755, 49.0651, 131.8976

Square

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



45.4258, 49.0651, 11.9268



27.9037, 49.0651, 56.9934



47.8653, 49.0651, 144.5186



72.2934, 49.0651, 50.0060

Rectangle

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



45.4258, 49.0651, 11.9268



31.1201, 49.0651, 23.8097



47.8653, 49.0651, 144.5186



66.6016, 49.0651, 100.9131

Sweetspot

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



45.4269, 49.0674, 11.9278



84.5585, 90.9439, 68.6335



30.8791, 18.4219, 11.8567



17.8422, 19.2302, 13.7474



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.



45.4269, 49.0674, 11.9278



66.1748, 70.4947, 12.1986



40.0140, 55.4708, 13.4490



13.2713, 14.1168, 13.1860



26.0944, 27.3060, 3.8953



1.6251, 1.7495, 0.2520

Inverse Universe

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



17.7392, 13.3254, 63.9243



21.8156, 13.4056, 96.0455



20.2563, 11.7917, 63.4956



11.9240, 12.3714, 15.6970



7.8306, 3.9231, 38.7977



0.5283, 0.3486, 2.3588

Previews

White Background



This preview shows how the XYZ color 45.4258, 49.0651, 11.9268 looks on a white background.

Color Contrast Check

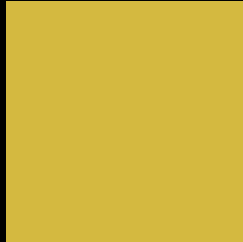
Large Text (above 18pt) WCAG AA × Fail

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 45.4258, 49.0651, 11.9268 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 45.4258, 49.0651, 11.9268

Background



This preview shows how black text looks on a background with the XYZ color 45.4258, 49.0651, 11.9268.



This preview shows how white text looks on a background with the XYZ color 45.4258, 49.0651,

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

45.4258, 49.0651, 11.9268

Protanopia

44.4967, 48.8979, 11.9435

Deuteranopia

50.0140, 49.0053, 12.1331



Tritanopia

53.9307, 48.9619, 53.0625

Trichromacy



Original Color

45.4258, 49.0651, 11.9268

Protanomaly

44.7788, 49.0433, 11.9567

Deuteranomaly

48.3560, 49.0434, 12.0719

Tritanomaly

49.5181, 48.3027, 32.3047

Monochromacy



Original Color

45.4258, 49.0651, 11.9268

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.5251, 45.9303, 30.2910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4258, 49.0651, 11.9268 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(212, 185, 64)` looks like.

```
.text, #text, p{  
    color:rgb(212, 185, 64)  
}
```

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(212, 185, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 185, 64) }
```

Border

The CSS property to change the border of an element to XYZ 45.4258, 49.0651, 11.9268 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(212, 185, 64) }
```


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

```
.border{ border-color:rgb(212, 185, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 185, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 185, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 185, 64);  
box-shadow:4px 4px 4px 4px rgb(212, 185,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4258, 49.0651, 11.9268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 185, 64) }
```

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

```
.background{ background-color: rgb(212,  
185, 64) }
```

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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