

Converting Colors

XYZ(46.6416, 49.0897, 11.2850)

Have a look what the booklet for
XYZ(46.6416, 49.0897, 11.2850)
contains.

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Color

**XYZ(46.6625, 49.0986,
11.2926)**

Conversions

Conversions Part 1

Format	Color
Hex	DAB73C
RGB	218, 183, 60
RGB Percent	85%, 72%, 24%
CMY	0.1451, 0.2823, 0.7647
CMYK	0.00, 0.16, 0.72, 0.15
HSL	47°, 68%, 55%
HSV	47°, 72%, 85%
XYZ	46.6625, 49.0986, 11.2926
YIQ	179.4430, 60.3430, -30.8330

Conversions

Conversions Part 2

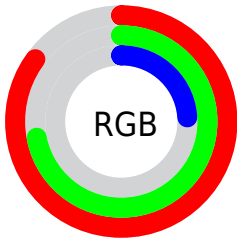
Format	Color
RYB	105, 218, 60
Decimal	14333756
CIELab	75.51, -0.01, 63.81
CIELCh	76, 63.814, 90.011
Yxy	49.0986, 0.4359, 0.4586
Android (android.graphics.Color)	4292523836 (0xFFDAB73C)
YUV	179.4430, -58.8854, 33.8145
Hunter-Lab	70.0704, -3.7534, 39.4941

Details

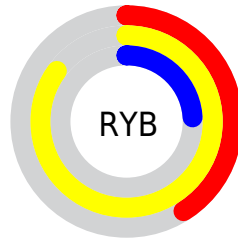
The XYZ color **46.6625, 49.0986, 11.2926** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **18.6105, 14.2067, 68.0904**, and the grayscale version is **43.3677, 45.6262, 49.6870**.

A 20% lighter version of the original color is **75.2010, 84.2308, 28.5143**, and **22.2807, 23.3362, 3.3300** is the 20% darker color. If you saturate the color by 10%, you get **45.2221, 46.9580, 8.5314**, and if you desaturate by 10%, it is **48.3766, 51.4072, 15.3165**.

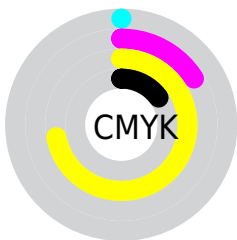
Distribution



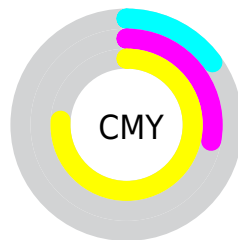
- Red (85%)
- Green (72%)
- Blue (24%)



- Red (41%)
- Yellow (85%)
- Blue (24%)



- Cyan (0%)
- Magenta (16%)
- Yellow (72%)
- Black (15%)



- Cyan (15%)
- Magenta (28%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6625, 49.0986, 11.2926 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 46.6625, 49.0986, 11.2926 by changing the saturation by 10% instead.

■ 46.6625, 49.0986,
11.2926

■ 46.6625, 49.0986,
11.2926

364.1372,
383.1304, 210.4731

■ 32.9758, 34.6977,
6.1474

■ 84.4314, 88.8379,
28.8449

■ 22.2670, 23.4301,
2.8647

■ 109.2443,
114.9450, 42.0889

■ 14.1709, 14.9114,
1.0259

■ 138.4967,
145.7231, 58.8697

■ 8.3221, 8.7572,
0.0000

■ 172.5538,
181.5564, 79.6058

■ 4.3553, 4.5832,
0.0000

■ 211.7810,
222.8294, 104.7156

■ 1.9050, 2.0048,
0.0000

256.5438,

■ 0.5798, 0.6103,

269.9265, 134.6177

0.0000

307.2074,
323.2320, 169.7307

■ 0.0000, 0.0000,
0.0000

■ 46.6625, 49.0986,
11.2926

■ 46.6625, 49.0986,
11.2926

■ 45.2221, 46.9580,
8.5314

■ 48.3766, 51.4072,
15.3165

■ 44.0204, 44.9652,
6.8652

■ 50.3873, 53.8876,
20.7372

■ 43.2347, 43.5483,
6.1269

■ 52.7187, 56.5521,
27.6748

■ 55.3912, 59.4093,
36.2355

■ 58.4236, 62.4672,
46.5162

■ 61.8331, 65.7332,
58.6060

■ 65.6356, 69.2142,
72.5878

■ 69.8464, 72.9167,
88.5394

■ 74.2851, 76.7691,
105.5104

Harmonies

Analogous

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



58.9277, 49.0986, 14.6613



46.6625, 49.0986, 11.2926



36.2305, 49.0986, 14.6664

Triad

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



46.6625, 49.0986, 11.2926



29.6735, 49.0986, 92.9084



69.1605, 49.0986, 92.8780

Complementary

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



46.6625, 49.0986, 11.2926



18.6105, 14.2067, 68.0904

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.



58.9363, 49.0986, 131.5966



46.6625, 49.0986, 11.2926



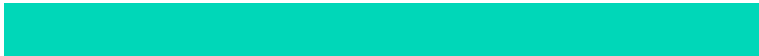
36.2367, 49.0986, 131.6188

Square

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



46.6625, 49.0986, 11.2926



27.4843, 49.0986, 53.4722



46.6710, 49.0986, 148.0961



73.1774, 49.0986, 53.4479

Rectangle

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



46.6625, 49.0986, 11.2926



31.3759, 49.0986, 21.6708



46.6710, 49.0986, 148.0961



66.2593, 49.0986, 106.9184

Sweetspot

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



46.6636, 49.1010, 11.2936



83.4607, 89.2258, 66.7954



32.6809, 18.9981, 13.2220



17.5986, 18.8359, 13.3803



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.



46.6636, 49.1010, 11.2936



63.5551, 65.4476, 10.7328



43.7614, 59.6833, 13.4891



13.9048, 14.7490, 13.8396



25.9854, 26.2563, 3.6984



1.7451, 1.8242, 0.2601

Inverse Universe

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



18.6105, 14.2067, 68.0904



21.7209, 13.6237, 96.0926



19.7658, 11.1268, 67.4351



12.5714, 13.0826, 16.5147



8.2877, 4.4449, 40.1595



0.6015, 0.4172, 2.6233

Previews

White Background



This preview shows how the XYZ color 46.6625, 49.0986, 11.2926 looks on a white background.

Color Contrast Check

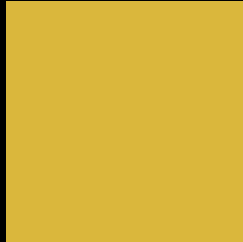
Large Text (above 18pt) WCAG AA × Fail

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 46.6625, 49.0986, 11.2926 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 46.6625, 49.0986, 11.2926

Background



This preview shows how black text looks on a background with the XYZ color 46.6625, 49.0986, 11.2926.



This preview shows how white text looks on a background with the XYZ color 46.6625, 49.0986,

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

46.6625, 49.0986, 11.2926

Protanopia

44.6251, 49.2875, 11.5763

Deuteranopia

50.1959, 49.1157, 11.3921



Tritanopia

54.8932, 48.9174, 51.8962

Trichromacy



Original Color

46.6625, 49.0986, 11.2926

Protanomaly

45.5526, 49.4518, 11.5591

Deuteranomaly

48.9573, 49.0711, 11.3062

Tritanomaly

50.7306, 48.3713, 31.0889

Monochromacy



Original Color

46.6625, 49.0986, 11.2926

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.7575, 45.7575, 29.8711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6625, 49.0986, 11.2926 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(218, 183, 60)` looks like.

```
.text, #text, p{  
    color:rgb(218, 183, 60)  
}
```

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(218, 183, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 183, 60) }
```

Border

The CSS property to change the border of an element to XYZ 46.6625, 49.0986, 11.2926 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(218, 183, 60) }
```


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

```
.border{ border-color:rgb(218, 183, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 183, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 183, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 183, 60);  
box-shadow:4px 4px 4px 4px rgb(218, 183,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6625, 49.0986, 11.2926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 183, 60) }
```

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

```
.background{ background-color: rgb(218,  
183, 60) }
```

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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