

Converting Colors

XYZ(46.5636, 46.7108, 30.6090)

Have a look what the booklet for
XYZ(46.5636, 46.7108, 30.6090)
contains.

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Color

**XYZ(46.6041, 46.8346,
30.6284)**

Conversions

Conversions Part 1

Format	Color
Hex	D1B18A
RGB	209, 177, 138
RGB Percent	82%, 69%, 54%
CMY	0.1804, 0.3059, 0.4588
CMYK	0.00, 0.15, 0.34, 0.18
HSL	33°, 44%, 68%
HSV	33°, 34%, 82%
XYZ	46.6041, 46.8346, 30.6284
YIQ	182.1220, 31.5910, -5.3450

Conversions

Conversions Part 2

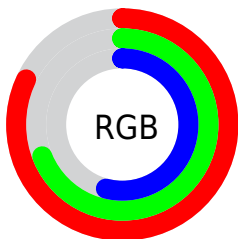
Format	Color
R_{YB}	196, 209, 138
Decimal	13742474
CIE _{Lab}	74.08, 5.98, 24.27
CIE _{LCh}	74, 24.999, 76.155
Yxy	46.8346, 0.3756, 0.3775
Android (android.graphics.Color)	4291932554 (0xFFD1B18A)
YUV	182.1220, -21.7521, 23.5720
Hunter-Lab	68.4358, 1.7940, 21.3699

Details

The XYZ color **46.6041, 46.8346, 30.6284** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.3641, 38.7549, 65.8855**, and the grayscale version is **44.6336, 46.9581, 51.1373**.

A 20% lighter version of the original color is **79.8933, 83.3436, 61.7453**, and **22.2319, 22.1441, 12.3350** is the 20% darker color. If you saturate the color by 10%, you get **43.4379, 42.6951, 22.8125**, and if you desaturate by 10%, it is **50.1923, 51.3517, 40.0226**.

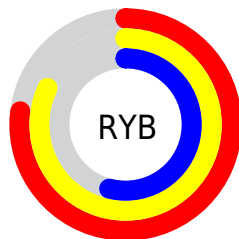
Distribution



Red (82%)

Green (69%)

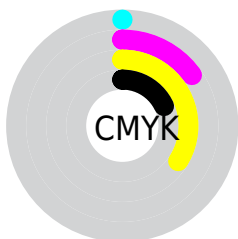
Blue (54%)



Red (77%)

Yellow (82%)

Blue (54%)

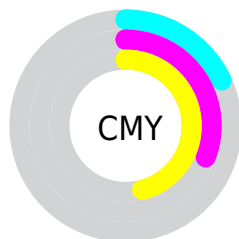


Cyan (0%)

Magenta (15%)

Yellow (34%)

Black (18%)



Cyan (18%)

Magenta (31%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6041, 46.8346, 30.6284 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 46.6041, 46.8346, 30.6284 by changing the saturation by 10% instead.

■ 46.6041, 46.8346,
30.6284

■ 46.6041, 46.8346,
30.6284

363.9074,
374.1539, 319.1207

■ 32.9294, 32.9049,
20.0600

■ 84.3447, 85.4667,
61.7273

■ 22.2314, 22.0536,
12.2541

■ 109.1414,
110.9379, 83.0947

■ 14.1446, 13.8963,
6.7924

■ 138.3760,
141.0250, 108.8990

■ 8.3036, 8.0486,
3.2561

172.4141,
176.1125, 139.5586

■ 4.3433, 4.1260,
1.2268

211.6209,
216.5848, 175.4920

■ 1.8981, 1.7443,
0.0007

256.3618,

■ 0.5757, 0.4521,

262.8262, 217.1178

0.0000

307.0022,
315.2211, 264.8545

■ 0.0000, 0.0000,
0.0000

■ 46.6041, 46.8346,
30.6284

■ 46.6041, 46.8346,
30.6284

■ 43.4379, 42.6951,
22.8125

■ 50.1923, 51.3517,
40.0226

■ 40.6708, 38.9149,
16.4828

■ 54.2169, 56.2512,
51.0741

■ 38.2829, 35.4834,
11.5421


■ 58.6957, 61.5457,
63.8603


■ 36.2506, 32.3870,
7.8804


■ 63.6447, 67.2454,
78.4528

■ 34.5473, 29.6103,
5.3705

■ 69.0788, 73.3599,
94.9189


 33.1408, 27.1358,
3.8584

 73.6296, 79.3455,
106.0423

 32.4044, 25.7750,
3.2672

 76.3753, 84.8369,
106.9575

 79.2657, 90.6176,
107.9209

 80.1045, 92.2953,
108.2006

Harmonies

Analogous

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



50.7402, 46.8346, 35.2176



46.6041, 46.8346, 30.6284



42.1652, 46.8346, 30.8117

Triad

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



46.6041, 46.8346, 30.6284



36.7567, 46.8346, 58.1577



51.0082, 46.8346, 70.0242

Complementary

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



46.6041, 46.8346, 30.6284



36.3641, 38.7549, 65.8855

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.



46.9503, 46.8346, 78.4910



46.6041, 46.8346, 30.6284



38.8208, 46.8346, 70.8953

Square

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



46.6041, 46.8346, 30.6284



36.6778, 46.8346, 45.3268



42.4891, 46.8346, 78.8341



53.3957, 46.8346, 57.1169

Rectangle

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



46.6041, 46.8346, 30.6284



39.6326, 46.8346, 33.5852



42.4891, 46.8346, 78.8341



49.7825, 46.8346, 73.5721

Sweetspot

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



46.6053, 46.8368, 30.6294



87.6558, 91.3512, 87.5079



42.7467, 34.6781, 43.0357



18.5523, 19.3038, 18.1359



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.



46.6053, 46.8368, 30.6294



69.3094, 68.5326, 38.6196



53.0179, 60.6487, 32.9573



12.3393, 12.8693, 12.4457



20.0793, 16.0916, 2.0477



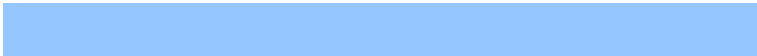
1.2014, 1.0571, 0.1407

Inverse Universe

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



36.3641, 38.7549, 65.8855



50.8053, 53.9360, 102.3407



31.4747, 28.3883, 64.1423



11.5961, 12.2824, 15.0032



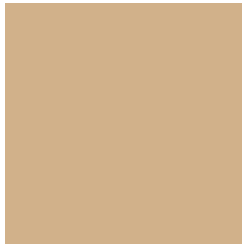
9.6695, 7.9855, 38.2242



0.6194, 0.6039, 2.1635

Previews

White Background



This preview shows how the XYZ color 46.6041, 46.8346, 30.6284 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 46.6041, 46.8346, 30.6284 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 46.6041, 46.8346, 30.6284

Background



This preview shows how black text looks on a background with the XYZ color 46.6041, 46.8346, 30.6284.



This preview shows how white text looks on a background with the XYZ color 46.6041, 46.8346,

30.6284.

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

46.6041, 46.8346, 30.6284

Protanopia

43.9672, 46.9514, 31.5562

Deuteranopia

47.6490, 46.7911, 30.5650



Tritanopia

50.9462, 46.8827, 51.7115

Trichromacy



Original Color

46.6041, 46.8346, 30.6284

Protanomaly

44.8009, 46.7860, 31.0954

Deuteranomaly

47.2642, 46.8827, 30.6029

Tritanomaly

49.0700, 46.6742, 42.9820

Monochromacy



Original Color

46.6041, 46.8346, 30.6284

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

44.9424, 46.6022, 42.7028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6041, 46.8346, 30.6284 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(209, 177, 138)` looks like.

```
.text, #text, p{  
    color:rgb(209, 177, 138)  
}
```

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(209, 177, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 177, 138) }
```

Border

The CSS property to change the border of an element to XYZ 46.6041, 46.8346, 30.6284 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(209, 177, 138) }
```


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

```
.border{ border-color:rgb(209, 177, 138) }
```

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

Here you see how a box with a 4 pixel rgb(209, 177, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 177, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 177, 138);  
box-shadow:4px 4px 4px 4px rgb(209, 177,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6041, 46.8346, 30.6284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 177, 138) }
```

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

```
.background{ background-color: rgb(209,  
177, 138) }
```

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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