

# Converting Colors

XYZ(46.3825, 46.6394, 29.0433)

Have a look what the booklet for  
XYZ(46.3825, 46.6394, 29.0433)  
contains.

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# **Color**

**XYZ(46.6036, 46.8671,  
29.1442)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D2B186
RGB	210, 177, 134
RGB Percent	82%, 69%, 53%
CMY	0.1765, 0.3059, 0.4745
CMYK	0.00, 0.16, 0.36, 0.18
HSL	34°, 46%, 67%
HSV	34°, 36%, 82%
XYZ	46.6036, 46.8671, 29.1442
YIQ	181.9650, 33.4710, -6.3770

# Conversions

## Conversions Part 2

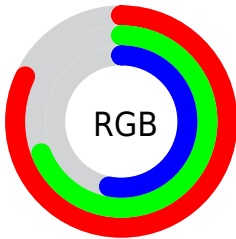
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	192, 210, 134
Decimal	13808006
CIE Lab	74.10, 5.89, 26.46
CIE LCh	74, 27.108, 77.449
Yxy	46.8671, 0.3801, 0.3822
Android (android.graphics.Color)	4291998086 (0xFFD2B186)
YUV	181.9650, -23.6467, 24.5867
Hunter-Lab	68.4596, 1.7090, 22.6811

# Details

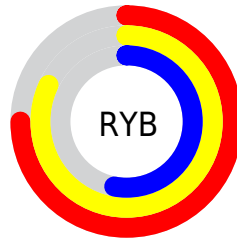
The XYZ color **46.6036, 46.8671, 29.1442** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.2828, 37.3579, 66.3242**, and the grayscale version is **44.5573, 46.8777, 51.0498**.

A 20% lighter version of the original color is **79.3486, 83.1257, 58.8765**, and **22.2603, 22.1773, 11.4949** is the 20% darker color. If you saturate the color by 10%, you get **43.5411, 42.8579, 21.6008**, and if you desaturate by 10%, it is **50.0797, 51.2377, 38.2614**.

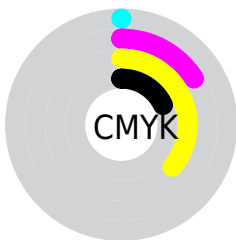
# Distribution



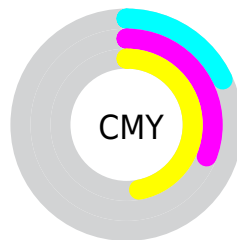
- Red (82%)
- Green (69%)
- Blue (53%)



- Red (75%)
- Yellow (82%)
- Blue (53%)



- Cyan (0%)
- Magenta (16%)
- Yellow (36%)
- Black (18%)




- Cyan (18%)
- Magenta (31%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6036, 46.8671, 29.1442 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 46.6036, 46.8671, 29.1442 by changing the saturation by 10% instead.





 46.6036, 46.8671,  
29.1442


 46.6036, 46.8671,  
29.1442


363.9054,  
374.2838, 311.9769


 32.9290, 32.9306,  
18.9434


 84.3440, 85.5152,  
59.3510

 22.2311, 22.0733,  
11.4530


 109.1405,  
110.9956, 80.1942

 14.1443, 13.9108,  
6.2544


 138.3750,  
141.0928, 105.4218

 8.3035, 8.0586,  
2.9291

172.4129,  
176.1911, 135.4525

 4.3432, 4.1325,  
1.0586

211.6195,  
216.6750, 170.7049

 1.8981, 1.7479,  
0.0000

256.3603,

 0.5757, 0.4544,

262.9288, 211.5973

0.0000

307.0005,  
315.3369, 258.5485

■ 0.0000, 0.0000,  
0.0000

■ 46.6036, 46.8671,  
29.1442

■ 46.6036, 46.8671,  
29.1442

■ 43.5411, 42.8579,  
21.6008

■ 50.0797, 51.2377,  
38.2614

■ 40.8690, 39.1919,  
15.5363

■ 53.9839, 55.9740,  
49.0339

■ 38.5669, 35.8589,  
10.8502


■ 58.3345, 61.0886,  
61.5410


■ 36.6108, 32.8452,  
7.4279


■ 63.1473, 66.5911,  
75.8560

■ 34.9729, 30.1358,  
5.1360


■ 68.4373, 72.4911,  
92.0478


 33.6189, 27.7125,  
3.8069

 73.4031, 78.4710,  
105.8854

 33.1548, 26.8544,  
3.4360

 76.0322, 83.7293,  
106.7618

 78.7964, 89.2576,  
107.6832

 80.3884, 92.4417,  
108.2139

# Harmonies

## Analogous

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



51.1559, 46.8671, 33.7723



46.6036, 46.8671, 29.1442



41.8069, 46.8671, 29.5529

# Triad

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



46.6036, 46.8671, 29.1442



36.2268, 46.8671, 59.4671



51.7766, 46.8671, 71.3107

# Complementary

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



46.6036, 46.8671, 29.1442



35.2828, 37.3579, 66.3242

# 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.



47.4017, 46.8671, 80.9922



46.6036, 46.8671, 29.1442



38.5311, 46.8671, 73.3477

# Square

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



46.6036, 46.8671, 29.1442



36.0473, 46.8671, 45.4427



42.5494, 46.8671, 81.7989



54.2849, 46.8671, 57.0582



# Rectangle

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



46.6036, 46.8671, 29.1442



39.1114, 46.8671, 32.6249



42.5494, 46.8671, 81.7989



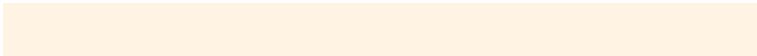
50.4616, 46.8671, 75.3116

# Sweetspot

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



46.6048, 46.8693, 29.1452



87.0956, 90.7980, 85.5722



42.1904, 33.5870, 41.4033



18.4452, 19.2027, 17.7516



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.



46.6048, 46.8693, 29.1452



68.7865, 68.1324, 36.4552



52.8591, 60.9652, 31.5363



12.3558, 12.9024, 12.4512



20.3255, 16.5840, 2.1298



1.2146, 1.0835, 0.1451



# Inverse Universe

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



35.2828, 37.3579, 66.3242



48.8489, 51.3916, 101.9527



30.6066, 27.0901, 64.5888



11.5798, 12.2499, 14.9978



9.4829, 7.6124, 38.1620

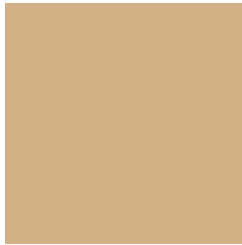


0.6084, 0.5821, 2.1599



# Previews

## White Background



This preview shows how the XYZ color 46.6036, 46.8671, 29.1442 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 46.6036, 46.8671, 29.1442 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 46.6036, 46.8671, 29.1442

## Background



This preview shows how black text looks on a background with the XYZ color 46.6036, 46.8671, 29.1442.



This preview shows how white text looks on a background with the XYZ color 46.6036, 46.8671,



# 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

46.6036, 46.8671, 29.1442

### Protanopia

43.6776, 46.8356, 30.0307

### Deuteranopia

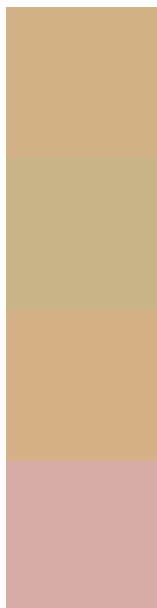
47.9520, 46.9801, 29.0950



## Tritanopia

51.0508, 46.6572, 51.6625

# Trichromacy



## Original Color

46.6036, 46.8671, 29.1442

## Protanomaly

44.5138, 46.6711, 29.5840

## Deuteranomaly

47.5600, 47.0680, 29.1326

## Tritanomaly

49.2671, 46.7864, 42.5104

# Monochromacy



## Original Color

46.6036, 46.8671, 29.1442

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

44.8510, 46.5656, 42.2215

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.6036, 46.8671, 29.1442 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(210, 177, 134)` looks like.

```
.text, #text, p{  
    color:rgb(210, 177, 134)  
}
```

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(210, 177, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 177, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 46.6036, 46.8671, 29.1442 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(210, 177, 134) }
```



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

```
.border{ border-color:rgb(210, 177, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 177, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 177, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 177, 134);  
box-shadow:4px 4px 4px 4px rgb(210, 177,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.6036, 46.8671, 29.1442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 177, 134) }
```

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

```
.background{ background-color: rgb(210,  
177, 134) }
```

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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