

Converting Colors

XYZ(46.8822, 57.4720, 16.8059)

Have a look what the booklet for
XYZ(46.8822, 57.4720, 16.8059)
contains.

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Color

**XYZ(46.8822, 57.4720,
16.8059)**

Conversions

Conversions Part 1

Format	Color
Hex	C4D053
RGB	196, 208, 83
RGB Percent	77%, 82%, 33%
CMY	0.2314, 0.1843, 0.6745
CMYK	0.06, 0.00, 0.60, 0.18
HSL	66°, 57%, 57%
HSV	66°, 60%, 82%
XYZ	46.8822, 57.4720, 16.8059
YIQ	190.1620, 32.9730, -41.4190

Conversions

Conversions Part 2

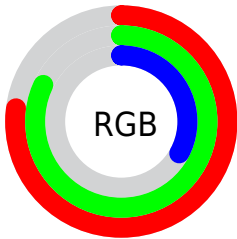
Format	Color
R _Y B	83, 208, 95
Decimal	12898387
CIE Lab	80.44, -20.65, 59.00
CIE LCh	80, 62.510, 109.291
Yxy	57.4720, 0.3869, 0.4743
Android (android.graphics.Color)	4291088467 (0xFFC4D053)
YUV	190.1620, -52.8309, 5.1199
Hunter-Lab	75.8103, -22.2810, 39.9236

Details

The XYZ color **46.8822, 57.4720, 16.8059** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **19.1996, 13.1748, 61.2089**, and the grayscale version is **49.3200, 51.8885, 56.5065**.

A 20% lighter version of the original color is **81.5154, 94.5861, 37.6275**, and **22.3785, 28.6704, 5.2742** is the 20% darker color. If you saturate the color by 10%, you get **45.6809, 56.9339, 13.1685**, and if you desaturate by 10%, it is **48.3340, 58.1152, 21.7146**.

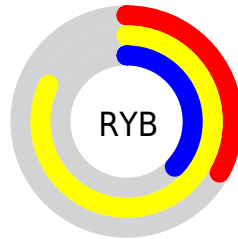
Distribution



Red (77%)

Green (82%)

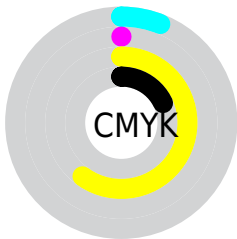
Blue (33%)



Red (33%)

Yellow (82%)

Blue (37%)

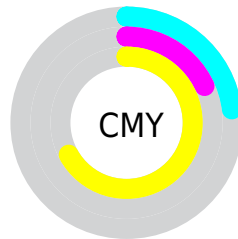


Cyan (6%)

Magenta (0%)

Yellow (60%)

Black (18%)



Cyan (23%)

Magenta (18%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8822, 57.4720, 16.8059 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 46.8822, 57.4720, 16.8059 by changing the saturation by 10% instead.

■ 46.8822, 57.4720,
16.8059

■ 46.8822, 57.4720,
16.8059

365.0009,
415.2156, 246.0573

■ 33.1501, 41.3843,
9.9357

■ 84.7576, 101.1536,
38.7778

■ 22.4012, 28.6195,
5.2513

■ 109.6315,
129.5162, 54.7166

■ 14.2703, 18.7932,
2.3341

■ 138.9502,
162.7394, 74.5154

■ 8.3918, 11.5209,
0.7503

■ 173.0789,
201.2073, 98.5926

■ 4.4006, 6.4184,
0.0000

■ 212.3829,
245.3046, 127.3669

■ 1.9312, 3.1011,
0.0000

257.2277,

■ 0.5949, 1.1847,

295.4154, 161.2567

0.0000

307.9786,
351.9243, 200.6807

■ 0.0000, 0.0492,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8822, 57.4720,
16.8059

■ 46.8822, 57.4720,
16.8059

■ 45.6809, 56.9339,
13.1685

■ 48.3340, 58.1152,
21.7146

■ 44.7038, 56.4843,
10.6813

■ 50.0518, 58.8636,
27.9938

■ 43.9257, 56.1150,
9.2064

■ 52.0545, 59.7267,
35.7371

■ 43.3031, 55.8092,
8.4899

■ 54.3583, 60.7111,
45.0290

■ 56.9779, 61.8226,
55.9473

■ 59.9271, 63.0668,
68.5647

■ 63.2190, 64.4488,
82.9496

■ 66.8658, 65.9736,
99.1666

■ 68.3327, 66.6273,
103.8666

Harmonies

Analogous

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



59.3336, 57.4720, 15.6936



46.8822, 57.4720, 16.8059



37.9942, 57.4720, 26.9115

Triad

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



46.8822, 57.4720, 16.8059



40.0781, 57.4720, 132.7667



82.5921, 57.4720, 76.6286

Complementary

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



46.8822, 57.4720, 16.8059



19.1996, 13.1748, 61.2089

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.



75.5150, 57.4720, 120.8143



46.8822, 57.4720, 16.8059



50.1732, 57.4720, 160.6893

Square

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



46.8822, 57.4720, 16.8059



34.5117, 57.4720, 88.9077



63.1775, 57.4720, 155.6180



81.3411, 57.4720, 42.0379

Rectangle

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



46.8822, 57.4720, 16.8059



34.6655, 57.4720, 40.7916



63.1775, 57.4720, 155.6180



81.0695, 57.4720, 90.9980

Sweetspot

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



46.8836, 57.4746, 16.8071



86.9177, 96.5619, 74.4438



31.5268, 21.9380, 10.7572



18.3570, 20.5631, 14.9190



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.



46.8836, 57.4746, 16.8071



71.9579, 90.0478, 19.6171



34.1244, 50.8971, 16.2100



12.6869, 13.7375, 12.5950



27.0325, 34.8047, 5.2932



1.5447, 1.9632, 0.2975

Inverse Universe

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



19.1996, 13.1748, 61.2089



24.4518, 13.9030, 96.0025



28.1744, 17.8015, 61.6289



11.2675, 11.4712, 14.8640



7.3124, 2.9500, 37.3765



0.4458, 0.1840, 2.0916

Previews

White Background



This preview shows how the XYZ color 46.8822, 57.4720, 16.8059 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 46.8822, 57.4720, 16.8059 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 46.8822, 57.4720, 16.8059

Background



This preview shows how black text looks on a background with the XYZ color 46.8822, 57.4720, 16.8059.



This preview shows how white text looks on a background with the XYZ color 46.8822, 57.4720,

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

46.8822, 57.4720, 16.8059

Protanopia

52.2637, 57.4322, 16.1155

Deuteranopia

58.5327, 57.3056, 17.2086



Tritanopia

57.4425, 57.2387, 68.9934

Trichromacy



Original Color

46.8822, 57.4720, 16.8059

Protanomaly

50.3195, 57.4672, 16.4228

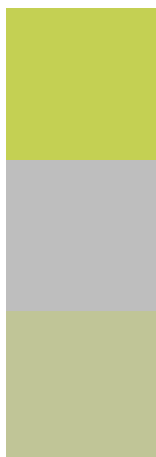
Deuteranomaly

53.6409, 57.0984, 16.9980

Tritanomaly

52.2570, 56.8263, 43.3363

Monochromacy



Original Color

46.8822, 57.4720, 16.8059

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.2904, 53.3733, 37.0878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8822, 57.4720, 16.8059 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(196, 208, 83)` looks like.

```
.text, #text, p{  
    color:rgb(196, 208, 83)  
}
```

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(196, 208, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 208, 83) }
```

Border

The CSS property to change the border of an element to XYZ 46.8822, 57.4720, 16.8059 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(196, 208, 83) }
```


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

```
.border{ border-color:rgb(196, 208, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 208, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 208, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 208, 83);  
box-shadow:4px 4px 4px 4px rgb(196, 208,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8822, 57.4720, 16.8059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 208, 83) }
```

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

```
.background{ background-color: rgb(196,  
208, 83) }
```

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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