

Converting Colors

XYZ(46.2905, 50.6043, 44.8329)

Have a look what the booklet for
XYZ(46.2905, 50.6043, 44.8329)
contains.

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Color

**XYZ(46.2858, 50.6910,
44.8809)**

Conversions

Conversions Part 1

Format	Color
Hex	BBBFA9
RGB	187, 191, 169
RGB Percent	73%, 75%, 66%
CMY	0.2667, 0.2510, 0.3372
CMYK	0.02, 0.00, 0.12, 0.25
HSL	71°, 15%, 71%
HSV	71°, 12%, 75%
XYZ	46.2858, 50.6910, 44.8809
YIQ	187.2960, 4.6780, -7.6900

Conversions

Conversions Part 2

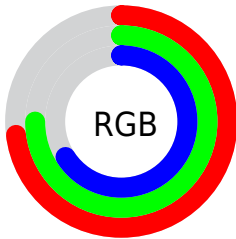
Format	Color
RYB	169, 191, 173
Decimal	12304297
CIELab	76.49, -5.30, 10.62
CIELCh	76, 11.871, 116.492
Yxy	50.6910, 0.3263, 0.3573
Android (android.graphics.Color)	4290494377 (0xFFBBBFA9)
YUV	187.2960, -9.0199, -0.2596
Hunter-Lab	71.1976, -8.5524, 12.4636

Details

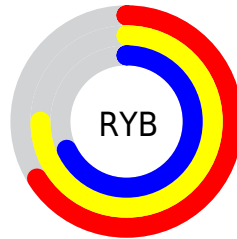
The XYZ color **46.2858, 50.6910, 44.8809** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.8274, 41.0231, 55.0593**, and the grayscale version is **47.4499, 49.9210, 54.3639**.

A 20% lighter version of the original color is **83.6775, 90.9580, 83.6674**, and **22.1309, 24.5296, 20.3979** is the 20% darker color. If you saturate the color by 10%, you get **43.7826, 49.5943, 36.0774**, and if you desaturate by 10%, it is **49.0744, 51.9075, 55.0672**.

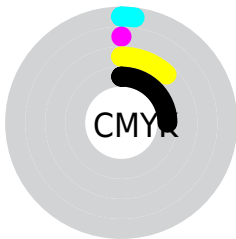
Distribution



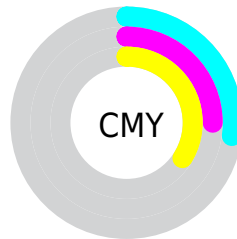
- Red (73%)
- Green (75%)
- Blue (66%)



- Red (66%)
- Yellow (75%)
- Blue (68%)



- Cyan (2%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)



- Cyan (27%)
- Magenta (25%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2858, 50.6910, 44.8809 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 46.2858, 50.6910, 44.8809 by changing the saturation by 10% instead.

■ 46.2858, 50.6910,
44.8809

■ 46.2858, 50.6910,
44.8809

362.6532,
389.3621, 382.4370

■ 32.6770, 35.9628,
31.0214

■ 83.8718, 91.1979,
83.8582

■ 22.0372, 24.4054,
20.3565

108.5797,
117.7453, 109.8131

■ 14.0010, 15.6346,
12.4678

137.7180,
149.0012, 140.6368

■ 8.2030, 9.2660,
6.9367

171.6521,
185.3500, 176.7479

■ 4.2780, 4.9151,
3.3447

210.7473,
227.1761, 218.5649

■ 1.8606, 2.1975,
1.2732

255.3690,

■ 0.5538, 0.7186,

274.8638, 266.5064

0.0397

305.8825,
328.7977, 320.9910

■ 0.0000, 0.0000,
0.0000

■ 46.2858, 50.6910,
44.8809

■ 46.2858, 50.6910,
44.8809

■ 43.7826, 49.5943,
36.0774

■ 49.0744, 51.9075,
55.0672

■ 41.5491, 48.6063,
28.5940

■ 52.1549, 53.2415,
66.6891

■ 39.5745, 47.7241,
22.3677

■ 55.5389, 54.6994,
79.8004

■ 37.8455, 46.9425,
17.3293

■ 59.2362, 56.2849,
94.4514

■ 36.3474, 46.2555,
13.4029

■ 61.6875, 57.3745,
102.4309

■ 35.0641, 45.6568,
10.5039

■ 62.6531, 57.8724,
102.4760

■ 33.9770, 45.1388,
8.5353

■ 63.6402, 58.3812,
102.5222

■ 33.0641, 44.6928,
7.3819

■ 64.6488, 58.9012,
102.5694

■ 32.3906, 44.3566,
6.8545

■ 65.6791, 59.4323,
102.6177

Harmonies

Analogous

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



48.4441, 50.6910, 43.7825



46.2858, 50.6910, 44.8809



44.6800, 50.6910, 48.6652

Triad

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



46.2858, 50.6910, 44.8809



45.8432, 50.6910, 66.1225



52.6050, 50.6910, 55.9514

Complementary

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



46.2858, 50.6910, 44.8809



40.8274, 41.0231, 55.0593

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.



51.8587, 50.6910, 62.2818



46.2858, 50.6910, 44.8809



47.9174, 50.6910, 68.4335

Square

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



46.2858, 50.6910, 44.8809



44.4301, 50.6910, 60.8768



50.1258, 50.6910, 66.9768



52.1358, 50.6910, 49.8761

Rectangle

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



46.2858, 50.6910, 44.8809



44.1155, 50.6910, 52.3646



50.1258, 50.6910, 66.9768



52.4874, 50.6910, 58.1232

Sweetspot

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



46.2872, 50.6932, 44.8820



87.0916, 92.6157, 95.6696



43.5287, 43.7018, 43.6779



19.0326, 20.2976, 20.6687



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2872, 50.6932, 44.8820



81.6351, 90.2351, 75.8798



43.7739, 49.3976, 44.7644



10.1474, 11.0304, 10.1709



21.3478, 29.1811, 4.5074



0.8813, 1.1663, 0.1787

Inverse Universe

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



40.8274, 41.0231, 55.0593



69.7867, 69.2488, 97.9673



43.2810, 42.2879, 55.1742



9.1741, 9.3066, 11.9850



6.6803, 2.7299, 32.5677



0.3118, 0.1328, 1.2780

Previews

White Background



This preview shows how the XYZ color 46.2858, 50.6910, 44.8809 looks on a white background.

Color Contrast Check

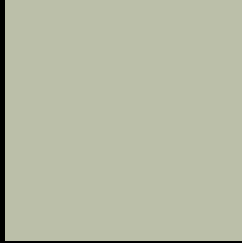
Large Text (above 18pt) WCAG AA × Fail

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 46.2858, 50.6910, 44.8809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

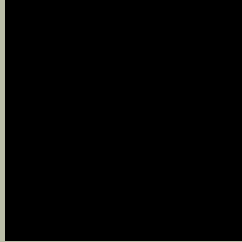
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

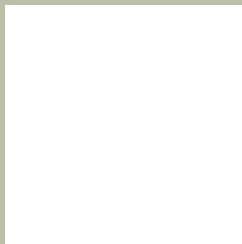
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2858, 50.6910, 44.8809

Background



This preview shows how black text looks on a background with the XYZ color 46.2858, 50.6910, 44.8809.



This preview shows how white text looks on a background with the XYZ color 46.2858, 50.6910,

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

46.2858, 50.6910, 44.8809

Protanopia

47.9842, 50.6268, 43.8021

Deuteranopia

51.5192, 50.5423, 45.5684



Tritanopia

49.8397, 50.5413, 62.3870

Trichromacy



Original Color

46.2858, 50.6910, 44.8809

Protanomaly

47.2578, 50.5598, 44.3141

Deuteranomaly

49.5065, 50.4376, 45.1564

Tritanomaly

48.4037, 50.5877, 55.3574

Monochromacy



Original Color

46.2858, 50.6910, 44.8809

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.7150, 49.8265, 50.3354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2858, 50.6910, 44.8809 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(187, 191, 169)` looks like.

```
.text, #text, p{  
    color:rgb(187, 191, 169)  
}
```

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(187, 191, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 191, 169) }
```

Border

The CSS property to change the border of an element to XYZ 46.2858, 50.6910, 44.8809 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(187, 191, 169) }
```


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

```
.border{ border-color:rgb(187, 191, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 191, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 191, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 191, 169);  
box-shadow:4px 4px 4px 4px rgb(187, 191,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2858, 50.6910, 44.8809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 191, 169) }
```

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

```
.background{ background-color: rgb(187,  
191, 169) }
```

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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