

Converting Colors

XYZ(46.9851, 50.5049, 46.5416)

Have a look what the booklet for
XYZ(46.9851, 50.5049, 46.5416)
contains.

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Color

**XYZ(46.8792, 50.3209,
46.2718)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBDAC
RGB	190, 189, 172
RGB Percent	75%, 74%, 67%
CMY	0.2549, 0.2588, 0.3255
CMYK	0.00, 0.01, 0.09, 0.25
HSL	57°, 12%, 71%
HSV	57°, 9%, 75%
XYZ	46.8792, 50.3209, 46.2718
YIQ	187.3610, 6.0530, -5.0750

Conversions

Conversions Part 2

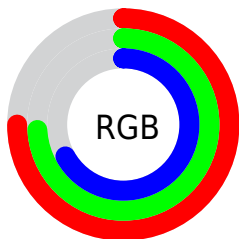
Format	Color
RYB	173, 190, 172
Decimal	12500396
CIELab	76.27, -2.65, 8.71
CIELCh	76, 9.107, 106.909
Yxy	50.3209, 0.3267, 0.3507
Android (android.graphics.Color)	4290690476 (0xFFBEBDAC)
YUV	187.3610, -7.5730, 2.3144
Hunter-Lab	70.9372, -6.1776, 10.9817

Details

The XYZ color **46.8792, 50.3209, 46.2718** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **41.2510, 42.3748, 54.7207**, and the grayscale version is **47.4781, 49.9507, 54.3963**.

A 20% lighter version of the original color is **84.5236, 90.4437, 85.6756**, and **22.5109, 24.2827, 21.2699** is the 20% darker color. If you saturate the color by 10%, you get **44.9585, 49.1936, 37.2633**, and if you desaturate by 10%, it is **49.0652, 51.5602, 56.6572**.

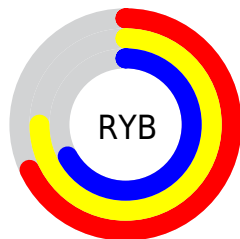
Distribution



Red (75%)

Green (74%)

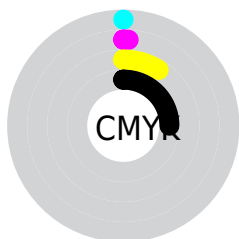
Blue (67%)



Red (68%)

Yellow (75%)

Blue (67%)

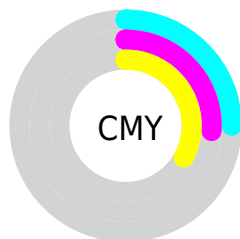


Cyan (0%)

Magenta (1%)

Yellow (9%)

Black (25%)



Cyan (25%)

Magenta (26%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8792, 50.3209, 46.2718 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 46.8792, 50.3209, 46.2718 by changing the saturation by 10% instead.

■ 46.8792, 50.3209,
46.2718

■ 46.8792, 50.3209,
46.2718

364.9891,
387.9195, 388.2096

■ 33.1477, 35.6684,
32.1101

■ 84.7531, 90.6502,
85.9642

■ 22.3994, 24.1782,
21.1801

109.6263,
117.0957, 112.3320

■ 14.2689, 15.4659,
13.0632

138.9440,
148.2412, 143.6056

■ 8.3909, 9.1470,
7.3408

173.0717,
184.4708, 180.2036

■ 4.4000, 4.8372,
3.5945

212.3747,
226.1691, 222.5444

■ 1.9308, 2.1521,
1.4056

257.2184,

■ 0.5946, 0.6937,

273.7203, 271.0467

0.1461

307.9680,
327.5090, 326.1289

■ 0.0000, 0.0000,
0.0000

■ 46.8792, 50.3209,
46.2718

■ 46.8792, 50.3209,
46.2718

■ 44.9585, 49.1936,
37.2633

■ 49.0652, 51.5602,
56.6572

■ 43.2880, 48.1674,
29.5704

■ 51.5228, 52.9092,
68.4707

■ 41.8573, 47.2397,
23.1321

■ 54.2632, 54.3739,
81.7652

■ 40.6536, 46.4054,
17.8810

■ 57.2956, 55.9580,
96.5895

■ 39.6630, 45.6590,
13.7439

■ 58.6357, 56.8679,
102.4939

■ 38.8699, 44.9941,
10.6392

■ 58.8710, 57.3385,
102.5723

■ 38.2567, 44.4038,
8.4740

■ 59.1080, 57.8124,
102.6513

■ 37.8027, 43.8798,
7.1391

■ 59.3466, 58.2896,
102.7309

■ 37.4695, 43.4067,
6.4322

■ 59.5869, 58.7702,
102.8110

Harmonies

Analogous

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



48.5766, 50.3209, 46.1270



46.8792, 50.3209, 46.2718



45.4689, 50.3209, 48.6105

Triad

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



46.8792, 50.3209, 46.2718



45.6188, 50.3209, 61.9541



51.1007, 50.3209, 56.9500

Complementary

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



46.8792, 50.3209, 46.2718



41.2510, 42.3748, 54.7207

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.



50.2683, 50.3209, 61.4742



46.8792, 50.3209, 46.2718



47.0881, 50.3209, 64.4770

Square

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



46.8792, 50.3209, 46.2718



44.7532, 50.3209, 57.5737



48.7905, 50.3209, 64.2963



51.0416, 50.3209, 52.0993

Rectangle

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



46.8792, 50.3209, 46.2718



44.8693, 50.3209, 51.1826



48.7905, 50.3209, 64.2963



50.9151, 50.3209, 58.5649

Sweetspot

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



46.8806, 50.3231, 46.2729



87.4412, 92.6093, 95.6499



43.5506, 43.4778, 45.7341



19.1297, 20.2958, 20.6633



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.



46.8806, 50.3231, 46.2729



84.3267, 90.8294, 80.8958



45.1991, 49.7755, 46.2558



10.2758, 11.0276, 10.1636



24.9231, 28.8850, 4.2618



0.9902, 1.1593, 0.1716

Inverse Universe

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



41.2510, 42.3748, 54.7207



72.4283, 74.0302, 98.7510



42.8233, 42.9028, 54.7398



9.0578, 9.3078, 11.9914



6.2751, 2.6620, 32.5760



0.2605, 0.1336, 1.2809

Previews

White Background



This preview shows how the XYZ color 46.8792, 50.3209, 46.2718 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 46.8792, 50.3209, 46.2718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

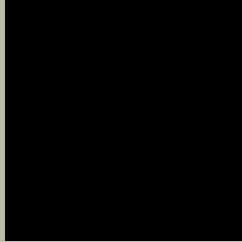
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

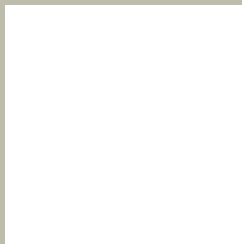
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8792, 50.3209, 46.2718

Background



This preview shows how black text looks on a background with the XYZ color 46.8792, 50.3209, 46.2718.



This preview shows how white text looks on a background with the XYZ color 46.8792, 50.3209,

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

46.8792, 50.3209, 46.2718

Protanopia

47.6267, 50.0830, 45.6849

Deuteranopia

51.3152, 50.1008, 47.0102



Tritanopia

50.0224, 50.3374, 61.7232

Trichromacy



Original Color

46.8792, 50.3209, 46.2718

Protanomaly

47.3262, 50.2442, 45.7318

Deuteranomaly

49.5852, 50.1355, 46.5989

Tritanomaly

48.8455, 50.1730, 55.8251

Monochromacy



Original Color

46.8792, 50.3209, 46.2718

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

47.1658, 50.0352, 51.4278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8792, 50.3209, 46.2718 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(190, 189, 172)` looks like.

```
.text, #text, p{  
    color:rgb(190, 189, 172)  
}
```

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(190, 189, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 189, 172) }
```

Border

The CSS property to change the border of an element to XYZ 46.8792, 50.3209, 46.2718 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(190, 189, 172) }
```


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

```
.border{ border-color:rgb(190, 189, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 189, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 189, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 189, 172);  
box-shadow:4px 4px 4px 4px rgb(190, 189,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8792, 50.3209, 46.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 189, 172) }
```

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

```
.background{ background-color: rgb(190,  
189, 172) }
```

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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