

Converting Colors

XYZ(46.8251, 45.1873, 45.5244)

Have a look what the booklet for
XYZ(46.8251, 45.1873, 45.5244)
contains.

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Color

**XYZ(46.8275, 45.1801,
45.2823)**

Conversions

Conversions Part 1

Format	Color
Hex	CBACAC
RGB	203, 172, 172
RGB Percent	80%, 67%, 67%
CMY	0.2039, 0.3255, 0.3255
CMYK	0.00, 0.15, 0.15, 0.20
HSL	0°, 23%, 74%
HSV	0°, 15%, 80%
XYZ	46.8275, 45.1801, 45.2823
YIQ	181.2690, 18.4760, 6.5720

Conversions

Conversions Part 2

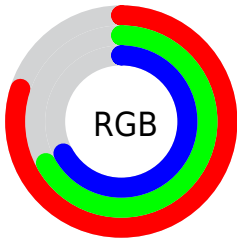
Format	Color
R_{YB}	203, 172, 172
Decimal	13348012
CIE _{Lab}	73.01, 11.24, 4.18
CIE _{LCh}	73, 11.990, 20.402
Yxy	45.1801, 0.3411, 0.3291
Android (android.graphics.Color)	4291538092 (0xFFCBACAC)
YUV	181.2690, -4.5696, 19.0581
Hunter-Lab	67.2161, 6.7274, 7.1087

Details

The XYZ color **46.8275, 45.1801, 45.2823** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **49.1483, 55.7931, 64.6791**, and the grayscale version is **44.0845, 46.3803, 50.5082**.

A 20% lighter version of the original color is **82.5742, 81.7442, 84.0991**, and **22.5011, 21.1786, 20.6712** is the 20% darker color. If you saturate the color by 10%, you get **41.4526, 37.3154, 34.5954**, and if you desaturate by 10%, it is **53.0928, 54.3480, 57.7363**.

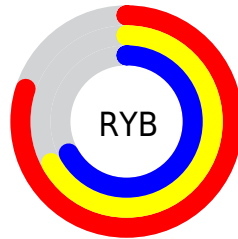
Distribution



Red (80%)

Green (67%)

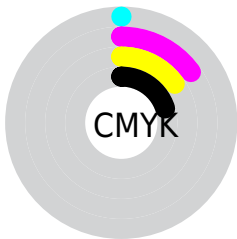
Blue (67%)



Red (80%)

Yellow (67%)

Blue (67%)

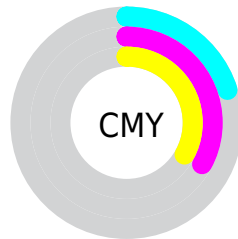


Cyan (0%)

Magenta (15%)

Yellow (15%)

Black (20%)



Cyan (20%)


Magenta (33%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8275, 45.1801, 45.2823 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 46.8275, 45.1801, 45.2823 by changing the saturation by 10% instead.


 46.8275, 45.1801,
45.2823

 46.8275, 45.1801,
45.2823

364.7860,
367.5025, 384.1091

 33.1067, 31.5993,
31.3353


 84.6764, 82.9906,
84.4668

 22.3678, 21.0556,
20.5937


109.5352,
107.9891, 110.5414

 14.2455, 13.1647,
12.6390


138.8373,
137.5623, 141.4955

 8.3745, 7.5420,
7.0526


172.9482,
172.0946, 177.7478

 4.3893, 3.8033,
3.4161

212.2331,
211.9703, 219.7168

 1.9246, 1.5642,
1.3108

257.0575,

 0.5911, 0.3333,

257.5740, 267.8209

0.0706

307.7867,
309.2899, 322.4789

■ 0.0000, 0.0000,
0.0000

■ 46.8275, 45.1801,
45.2823

■ 46.8275, 45.1801,
45.2823

■ 41.4526, 37.3154,
34.5954

■ 53.0928, 54.3480,
57.7363

■ 36.9242, 30.6890,
25.5930

■ 60.2823, 64.8681,
72.0294

■ 33.2002, 25.2398,
18.1901

■ 68.4327, 76.7942,
88.2330

■ 30.2337, 20.8989,
12.2930

■ 77.5776, 90.1754,
106.4137

■ 27.9728, 17.5904,
7.7986

■ 78.4388, 91.4366,
108.1226

■ 26.3588, 15.2286,
4.5905

■ 25.3241, 13.7144,
2.5341

■ 24.7858, 12.9265,
1.4644

■ 24.6290, 12.6971,
1.1527

Harmonies

Analogous

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



47.0357, 45.1801, 51.1411



46.8275, 45.1801, 45.2823



45.5600, 45.1801, 40.8329

Triad

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



46.8275, 45.1801, 45.2823



39.9142, 45.1801, 42.2039



42.2745, 45.1801, 61.4609

Complementary

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



46.8275, 45.1801, 45.2823



49.1483, 55.7931, 64.6791

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.



40.4269, 45.1801, 58.6238



46.8275, 45.1801, 45.2823



39.0936, 45.1801, 47.2959

Square

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



46.8275, 45.1801, 45.2823



41.5540, 45.1801, 39.1583



39.2782, 45.1801, 53.3236



44.3612, 45.1801, 60.8114

Rectangle

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



46.8275, 45.1801, 45.2823



44.3070, 45.1801, 39.1108



39.2782, 45.1801, 53.3236



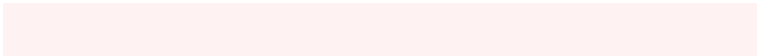
41.6060, 45.1801, 60.8752

Sweetspot

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



46.8288, 45.1821, 45.2833



89.1316, 91.3399, 97.1340



50.1611, 46.5140, 62.8346



18.9067, 19.3000, 20.4504



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.



46.8288, 45.1821, 45.2833



75.5873, 71.5211, 70.2076



49.9521, 51.4288, 46.3244



11.2125, 11.2139, 11.6530



15.6737, 8.0804, 0.7336



0.8086, 0.4169, 0.0379

Inverse Universe

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



49.1483, 55.7931, 64.6791



80.1311, 92.3065, 108.2013



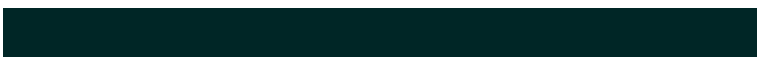
45.6699, 48.8362, 63.5196



11.5432, 12.7268, 14.4185



20.4473, 29.9186, 40.6534



1.0549, 1.5435, 2.0973

Previews

White Background



This preview shows how the XYZ color 46.8275, 45.1801, 45.2823 looks on a white background.

Color Contrast Check

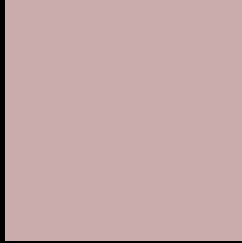
Large Text (above 18pt) WCAG AA × Fail

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 46.8275, 45.1801, 45.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

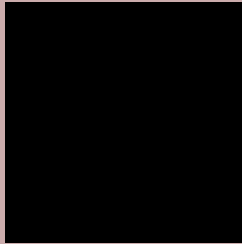
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8275, 45.1801, 45.2823

Background



This preview shows how black text looks on a background with the XYZ color 46.8275, 45.1801, 45.2823.



This preview shows how white text looks on a background with the XYZ color 46.8275, 45.1801,

45.2823.

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

46.8275, 45.1801, 45.2823

Protanopia

43.4850, 45.4421, 47.5536

Deuteranopia

46.2094, 45.1451, 45.3081



Tritanopia

47.8238, 45.0057, 50.9661

Trichromacy



Original Color

46.8275, 45.1801, 45.2823

Protanomaly

44.4984, 45.0930, 46.9159

Deuteranomaly

46.4774, 45.2832, 45.3206

Tritanomaly

47.6014, 45.2179, 48.8669

Monochromacy



Original Color

46.8275, 45.1801, 45.2823

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.9425, 45.8740, 48.6053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8275, 45.1801, 45.2823 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(203, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(203, 172, 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(203, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 172, 172) }
```

Border

The CSS property to change the border of an element to XYZ 46.8275, 45.1801, 45.2823 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(203, 172, 172) }
```


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

```
.border{ border-color:rgb(203, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(203, 172,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8275, 45.1801, 45.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 172, 172) }
```

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

```
.background{ background-color: rgb(203,  
172, 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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