

Converting Colors

XYZ(45.0812, 49.8873, 48.4860)

Have a look what the booklet for
XYZ(45.0812, 49.8873, 48.4860)
contains.

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Color

**XYZ(45.0577, 49.9799,
48.3466)**

Conversions

Conversions Part 1

Format	Color
Hex	B3BFB0
RGB	179, 191, 176
RGB Percent	70%, 75%, 69%
CMY	0.2980, 0.2510, 0.3098
CMYK	0.06, 0.00, 0.08, 0.25
HSL	108°, 10%, 72%
HSV	108°, 8%, 75%
XYZ	45.0577, 49.9799, 48.3466
YIQ	185.7020, -2.3370, -7.2090

Conversions

Conversions Part 2

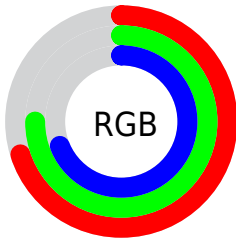
Format	Color
RYB	176, 191, 188
Decimal	11780016
CIELab	76.06, -6.93, 6.14
CIELCh	76, 9.260, 138.477
Yxy	49.9799, 0.3142, 0.3486
Android (android.graphics.Color)	4289970096 (0xFFB3BFB0)
YUV	185.7020, -4.7831, -5.8777
Hunter-Lab	70.6965, -9.9536, 8.9414

Details

The XYZ color **45.0577, 49.9799, 48.3466** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.6703, 45.5050, 55.6690**, and the grayscale version is **46.5334, 48.9568, 53.3139**.

A 20% lighter version of the original color is **82.0872, 90.0099, 89.3911**, and **21.3308, 24.0678, 22.5901** is the 20% darker color. If you saturate the color by 10%, you get **39.9612, 47.5572, 38.9273**, and if you desaturate by 10%, it is **50.8144, 52.7151, 59.1870**.

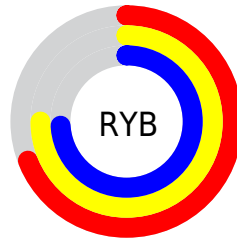
Distribution



Red (70%)

Green (75%)

Blue (69%)



Red (69%)

Yellow (75%)

Blue (74%)

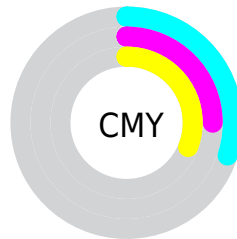


Cyan (6%)

Magenta (0%)

Yellow (8%)

Black (25%)



Cyan (30%)

Magenta (25%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0577, 49.9799, 48.3466 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 45.0577, 49.9799, 48.3466 by changing the saturation by 10% instead.

■ 45.0577, 49.9799,
48.3466

■ 45.0577, 49.9799,
48.3466

357.7870,
386.5873, 396.7126

■ 31.7043, 35.3974,
33.7395

■ 82.0435, 90.1451,
89.0911

■ 21.2902, 23.9692,
22.4178

106.4067,
116.4966, 116.0657

■ 13.4500, 15.3108,
13.9630

135.1705,
147.5399, 147.9998

■ 7.8183, 9.0378,
7.9565

168.7004,
183.6594, 185.3120

■ 4.0297, 4.7658,
3.9797

207.3616,
225.2395, 228.4208

■ 1.7190, 2.1105,
1.6142

251.5195,

■ 0.4681, 0.6705,

272.6646, 277.7448

0.3009

301.5395,
326.3191, 333.7026

■ 0.0000, 0.0000,
0.0000

■ 45.0577, 49.9799,
48.3466

■ 45.0577, 49.9799,
48.3466

■ 39.9612, 47.5572,
38.9273

■ 50.8144, 52.7151,
59.1870

■ 35.4970, 45.4296,
30.8670

■ 57.2496, 55.7667,
71.5006

■ 31.6412, 43.5876,
24.1041

■ 64.3863, 59.1468,
85.3407

■ 28.3670, 42.0188,
18.5706

■ 72.2447, 62.8649,
100.7573

■ 25.6453, 40.7098,
14.1926

■ 77.9218, 65.7435,
103.1906

■ 23.4446, 39.6461,
10.8882

■ 21.7299, 38.8118,
8.5647

■ 20.4615, 38.1887,
7.1138

■ 19.5875, 37.7536,
6.3725

Harmonies

Analogous

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



46.4582, 49.9799, 45.8766



45.0577, 49.9799, 48.3466



44.3196, 49.9799, 52.5391

Triad

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



45.0577, 49.9799, 48.3466



46.8431, 49.9799, 64.2960



50.7290, 49.9799, 51.4565

Complementary

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



45.0577, 49.9799, 48.3466



45.6703, 45.5050, 55.6690

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.



50.8382, 49.9799, 56.3445



45.0577, 49.9799, 48.3466



48.5662, 49.9799, 63.9623

Square

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



45.0577, 49.9799, 48.3466



45.3336, 49.9799, 61.8666



50.0381, 49.9799, 60.9810



49.7434, 49.9799, 47.5955

Rectangle

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



45.0577, 49.9799, 48.3466



44.2903, 49.9799, 55.8358



50.0381, 49.9799, 60.9810



50.8703, 49.9799, 53.0276

Sweetspot

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



45.0591, 49.9820, 48.3477



86.5532, 92.2954, 97.5750



47.3076, 50.1797, 48.2673



19.0295, 20.2782, 21.4703



92.9021, 97.7402, 106.4391



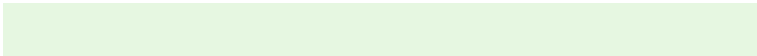
19.4759, 20.4902, 22.3138

Same Dimension

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



45.0591, 49.9820, 48.3477



79.4561, 88.9238, 84.2737



44.8261, 49.8096, 50.7005



9.5822, 10.7390, 10.1444



12.8276, 24.7887, 4.1086



0.5562, 0.9987, 0.1635

Inverse Universe

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



45.6703, 45.5050, 55.6690



80.7190, 79.6720, 99.4030



45.9292, 45.6948, 53.1348



9.7380, 9.5973, 12.0114



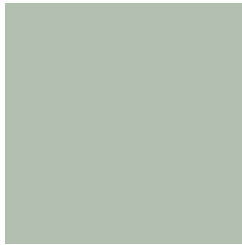
14.8566, 6.9449, 32.9504



0.6303, 0.2970, 1.2930

Previews

White Background



This preview shows how the XYZ color 45.0577, 49.9799, 48.3466 looks on a white background.

Color Contrast Check

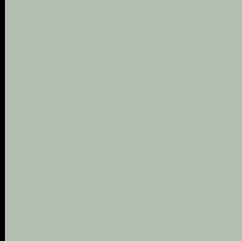
Large Text (above 18pt) WCAG AA × Fail

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 45.0577, 49.9799, 48.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

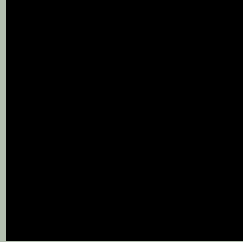
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.0577, 49.9799, 48.3466

Background



This preview shows how black text looks on a background with the XYZ color 45.0577, 49.9799, 48.3466.



This preview shows how white text looks on a background with the XYZ color 45.0577, 49.9799,

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

45.0577, 49.9799, 48.3466

Protanopia

47.6584, 50.0660, 47.1962

Deuteranopia

50.8543, 49.8174, 49.0549



Tritanopia

47.9594, 49.8722, 62.9757

Trichromacy



Original Color

45.0577, 49.9799, 48.3466

Protanomaly

46.7073, 49.8804, 47.7236

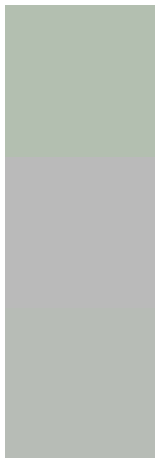
Deuteranomaly

48.5735, 49.8780, 48.6623

Tritanomaly

46.9003, 49.7618, 57.5852

Monochromacy



Original Color

45.0577, 49.9799, 48.3466

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.9552, 49.4111, 51.3712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0577, 49.9799, 48.3466 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(179, 191, 176)` looks like.

```
.text, #text, p{  
    color:rgb(179, 191, 176)  
}
```

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(179, 191, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 191, 176) }
```

Border

The CSS property to change the border of an element to XYZ 45.0577, 49.9799, 48.3466 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(179, 191, 176) }
```


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

```
.border{ border-color:rgb(179, 191, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 191, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 191, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 191, 176);  
box-shadow:4px 4px 4px 4px rgb(179, 191,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0577, 49.9799, 48.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 191, 176) }
```

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

```
.background{ background-color: rgb(179,  
191, 176) }
```

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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