

Converting Colors

XYZ(46.2046, 49.8114, 54.3083)

Have a look what the booklet for
XYZ(46.2046, 49.8114, 54.3083)
contains.

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Color

**XYZ(46.2233, 49.8068,
54.1912)**

Conversions

Conversions Part 1

Format	Color
Hex	B5BDBB
RGB	181, 189, 187
RGB Percent	71%, 74%, 73%
CMY	0.2902, 0.2588, 0.2667
CMYK	0.04, 0.00, 0.01, 0.26
HSL	165°, 6%, 73%
HSV	165°, 4%, 74%
XYZ	46.2233, 49.8068, 54.1912
YIQ	186.3800, -4.1260, -2.3180

Conversions

Conversions Part 2

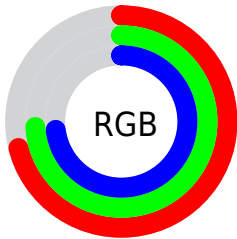
Format	Color
RYB	181, 186, 189
Decimal	11910587
CIELab	75.95, -3.14, 0.04
CIElCh	76, 3.141, 179.290
Yxy	49.8068, 0.3077, 0.3316
Android (android.graphics.Color)	4290100667 (0xFFB5BDBB)
YUV	186.3800, 0.3057, -4.7183
Hunter-Lab	70.5739, -6.5935, 3.8751

Details

The XYZ color **46.2233, 49.8068, 54.1912** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0592, 47.2868, 51.5018**, and the grayscale version is **46.8864, 49.3281, 53.7183**.

A 20% lighter version of the original color is **83.7551, 89.7804, 97.7090**, and **22.0093, 23.9187, 26.0110** is the 20% darker color. If you saturate the color by 10%, you get **41.5909, 47.4777, 51.3750**, and if you desaturate by 10%, it is **51.4765, 52.4568, 57.1256**.

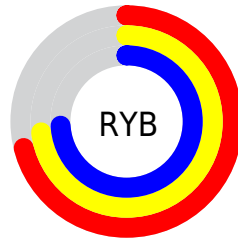
Distribution



Red (71%)

Green (74%)

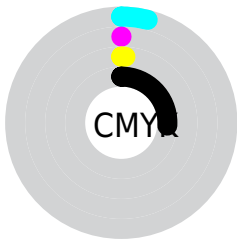
Blue (73%)



Red (71%)

Yellow (73%)

Blue (74%)

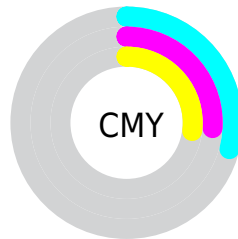


Cyan (4%)

Magenta (0%)

Yellow (1%)

Black (26%)



Cyan (29%)

Magenta (26%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2233, 49.8068, 54.1912 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 46.2233, 49.8068, 54.1912 by changing the saturation by 10% instead.

■ 46.2233, 49.8068,
54.1912

■ 46.2233, 49.8068,
54.1912

362.4066,
385.9099, 420.0339

■ 32.6274, 35.2599,
38.3603

■ 83.7789, 89.8886,
97.8142

■ 21.9991, 23.8632,
25.9585

108.4694,
116.1922, 126.4433

■ 13.9728, 15.2321,
16.5671

137.5887,
147.1836, 160.1757

■ 8.1833, 8.9825,
9.7676

171.5023,
183.2471, 199.4297

■ 4.2653, 4.7297,
5.1416

210.5756,
224.7670, 244.6240

■ 1.8533, 2.0896,
2.2704

255.1738,

■ 0.5495, 0.6588,

272.1279, 296.1771

0.7146

305.6623,
325.7141, 354.5076

■ 0.0000, 0.0000,
0.0000

■ 46.2233, 49.8068,
54.1912

■ 46.2233, 49.8068,
54.1912

■ 41.5909, 47.4777,
51.3750

■ 51.4765, 52.4568,
57.1256

■ 37.5508, 45.4506,
48.6718

■ 57.3690, 55.4331,
60.1767

■ 34.0786, 43.7144,
46.0807

■ 63.9240, 58.7489,
63.3476

■ 31.1466, 42.2547,
43.5993

■ 70.5697, 62.1096,
66.6122

■ 28.7247, 41.0562,
41.2256

■ 71.1529, 62.3428,
69.6834

■ 26.7796, 40.1017,
38.9570

■ 71.7536, 62.5831,
72.8465

■ 25.2742, 39.3720,
36.7909

■ 72.3719, 62.8304,
76.1022

■ 24.1656, 38.8451,
34.7245

■ 73.0079, 63.0848,
79.4513

■ 23.4021, 38.4943,
32.7543

■ 73.6617, 63.3464,
82.8945

Harmonies

Analogous

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



46.3787, 49.8068, 52.6015



46.2233, 49.8068, 54.1912



46.3650, 49.8068, 55.8235

Triad

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



46.2233, 49.8068, 54.1912



47.8927, 49.8068, 57.0914



47.9170, 49.8068, 51.5066

Complementary

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



46.2233, 49.8068, 54.1912



46.0592, 47.2868, 51.5018

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.



48.3283, 49.8068, 52.6693



46.2233, 49.8068, 54.1912



48.3142, 49.8068, 55.8941

Square

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



46.2233, 49.8068, 54.1912



47.3259, 49.8068, 57.5187



48.4743, 49.8068, 54.2711



47.3538, 49.8068, 51.0713

Rectangle

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



46.2233, 49.8068, 54.1912



46.6095, 49.8068, 56.7115



48.4743, 49.8068, 54.2711



48.0778, 49.8068, 51.8242

Sweetspot

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



46.2247, 49.8089, 54.1923



85.6884, 90.6665, 98.7213



46.0999, 49.8172, 50.9028



18.4373, 19.5026, 21.2354



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



46.2247, 49.8089, 54.1923



82.0402, 88.8285, 96.6188



46.0416, 49.0971, 55.1966



10.0968, 10.9654, 11.9248



15.5456, 25.8085, 21.4678



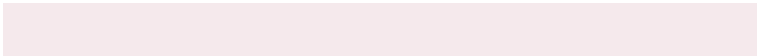
0.6337, 1.0208, 0.9712

Inverse Universe

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



46.0592, 47.2868, 51.5018



81.6866, 83.4398, 90.8704



46.2344, 47.9685, 50.5388



10.0486, 10.2313, 11.1417



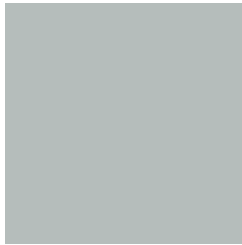
14.4959, 7.4295, 2.6392



0.5951, 0.3019, 0.2468

Previews

White Background



This preview shows how the XYZ color 46.2233, 49.8068, 54.1912 looks on a white background.

Color Contrast Check

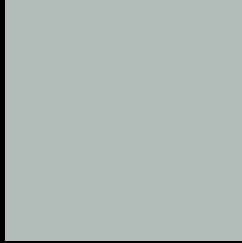
Large Text (above 18pt) WCAG AA × Fail

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 46.2233, 49.8068, 54.1912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

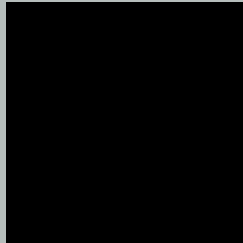
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

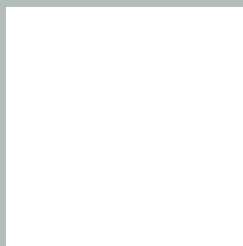
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.2233, 49.8068, 54.1912

Background



This preview shows how black text looks on a background with the XYZ color 46.2233, 49.8068, 54.1912.



This preview shows how white text looks on a background with the XYZ color 46.2233, 49.8068,

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

46.2233, 49.8068, 54.1912

Protanopia

47.8017, 49.6970, 52.9720

Deuteranopia

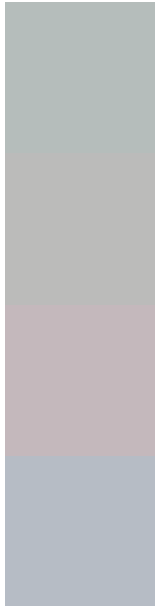
50.6110, 49.5592, 55.0425



Tritanopia

47.9594, 49.8722, 62.9757

Trichromacy



Original Color

46.2233, 49.8068, 54.1912

Protanomaly

47.1268, 49.6506, 53.5541

Deuteranomaly

48.9825, 49.6476, 54.5782

Tritanomaly

47.3527, 49.9427, 59.9675

Monochromacy



Original Color

46.2233, 49.8068, 54.1912

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.4004, 49.2762, 53.5201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2233, 49.8068, 54.1912 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(181, 189, 187)` looks like.

```
.text, #text, p{  
    color:rgb(181, 189, 187)  
}
```

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(181, 189, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 189, 187) }
```

Border

The CSS property to change the border of an element to XYZ 46.2233, 49.8068, 54.1912 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(181, 189, 187) }
```


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

```
.border{ border-color:rgb(181, 189, 187) }
```

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

Here you see how a box with a 4 pixel rgb(181, 189, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 189, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 189, 187);  
box-shadow:4px 4px 4px 4px rgb(181, 189,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2233, 49.8068, 54.1912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 189, 187) }
```

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

```
.background{ background-color: rgb(181,  
189, 187) }
```

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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