

Converting Colors

XYZ(46.5620, 48.2381, 51.4294)

Have a look what the booklet for
XYZ(46.5620, 48.2381, 51.4294)
contains.

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Color

**XYZ(46.4670, 48.1047,
51.6358)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB7B7
RGB	189, 183, 183
RGB Percent	74%, 72%, 72%
CMY	0.2588, 0.2823, 0.2823
CMYK	0.00, 0.03, 0.03, 0.26
HSL	0°, 4%, 73%
HSV	0°, 3%, 74%
XYZ	46.4670, 48.1047, 51.6358
YIQ	184.7940, 3.5760, 1.2720

Conversions

Conversions Part 2

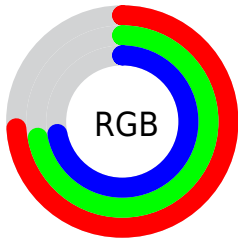
Format	Color
R _Y B	189, 183, 183
Decimal	12433335
CIE Lab	74.89, 2.12, 0.74
CIE LCh	75, 2.243, 19.360
Yxy	48.1047, 0.3178, 0.3290
Android (android.graphics.Color)	4290623415 (0xFFBDB7B7)
YUV	184.7940, -0.8844, 3.6887
Hunter-Lab	69.3576, -1.7873, 4.4096

Details

The XYZ color **46.4670, 48.1047, 51.6358** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9113, 50.1359, 55.3494**, and the grayscale version is **46.0041, 48.3999, 52.7075**.

A 20% lighter version of the original color is **84.1027, 87.3775, 94.0942**, and **22.1652, 22.8112, 24.3539** is the 20% darker color. If you saturate the color by 10%, you get **40.9926, 40.0950, 40.7485**, and if you desaturate by 10%, it is **52.7313, 57.2700, 64.0909**.

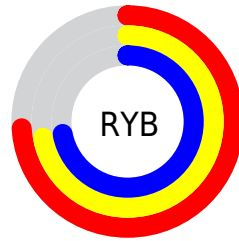
Distribution



Red (74%)

Green (72%)

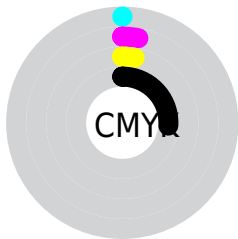
Blue (72%)



Red (74%)

Yellow (72%)

Blue (72%)

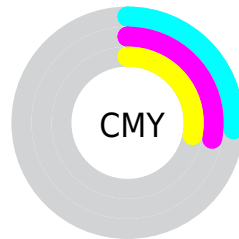


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (26%)



Cyan (26%)

Magenta (28%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4670, 48.1047, 51.6358 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 46.4670, 48.1047, 51.6358 by changing the saturation by 10% instead.

■ 46.4670, 48.1047,
51.6358

■ 46.4670, 48.1047,
51.6358

363.3675,
379.2070, 409.9458

■ 32.8207, 33.9098,
36.3346

■ 84.1411, 87.3603,
94.0150

■ 22.1477, 22.8243,
24.4010

108.8995,
113.1897, 121.9301

■ 14.0827, 14.4638,
15.4164

138.0927,
143.6662, 154.8869

■ 8.2603, 8.4440,
8.9623

172.0860,
179.1740, 193.3040

■ 4.3151, 4.3803,
4.6201

211.2448,
220.0976, 237.5999

■ 1.8819, 1.8885,
1.9713

255.9344,

■ 0.5663, 0.5415,

266.8214, 288.1932

0.5376

306.5202,
319.7297, 345.5023

■ 0.0000, 0.0000,
0.0000

■ 46.4670, 48.1047,
51.6358

■ 46.4670, 48.1047,
51.6358

■ 40.9926, 40.0950,
40.7485

■ 52.7313, 57.2700,
64.0909

■ 36.2728, 33.1892,
31.3638

■ 59.8107, 67.6277,
78.1691

■ 32.2757, 27.3408,
23.4168

■ 67.7345, 79.2207,
93.9270

■ 28.9658, 22.4976,
16.8365

■ 74.7965, 89.5590,
107.9522

■ 26.3044, 18.6030,
11.5460

■ 24.2488, 15.5948,
7.4605

■ 22.7516, 13.4035,
4.4855

■ 21.7580, 11.9491,
2.5120

■ 21.2024, 11.1355,
1.4093

Harmonies

Analogous

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



46.4982, 48.1047, 52.7942



46.4670, 48.1047, 51.6358



46.2355, 48.1047, 50.6897

Triad

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



46.4670, 48.1047, 51.6358



45.1287, 48.1047, 50.9266



45.5772, 48.1047, 54.6195

Complementary

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



46.4670, 48.1047, 51.6358



46.9113, 50.1359, 55.3494

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.



45.2125, 48.1047, 54.1031



46.4670, 48.1047, 51.6358



44.9546, 48.1047, 51.9637

Square

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



46.4670, 48.1047, 51.6358



45.4622, 48.1047, 50.2844



44.9852, 48.1047, 53.1270



45.9829, 48.1047, 54.5286

Rectangle

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



46.4670, 48.1047, 51.6358



45.9995, 48.1047, 50.3012



44.9852, 48.1047, 53.1270



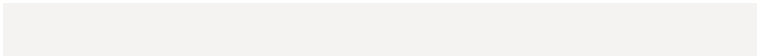
45.4458, 48.1047, 54.5109

Sweetspot

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



46.4684, 48.1068, 51.6368



85.5238, 89.5233, 97.0540



47.1057, 48.3606, 54.9965



18.4037, 19.2694, 20.8952



90.7827, 95.5105, 104.0109



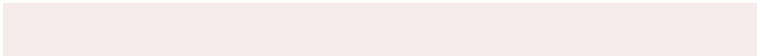
18.6292, 19.5994, 21.3438

Same Dimension

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



46.4684, 48.1068, 51.6368



82.2952, 84.7995, 90.6338



47.0931, 49.3562, 51.8451



10.1074, 10.3811, 11.0621



14.1212, 7.2811, 0.6611



0.5533, 0.2855, 0.0259

Inverse Universe

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



46.9113, 50.1359, 55.3494



83.3048, 89.4245, 99.0962



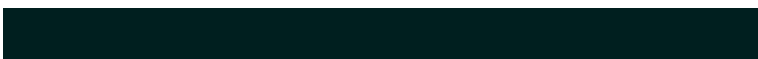
46.2733, 48.8599, 55.1368



10.2506, 11.0371, 12.2623



18.4092, 26.9301, 36.6207



0.7213, 1.0552, 1.4345

Previews

White Background



This preview shows how the XYZ color 46.4670, 48.1047, 51.6358 looks on a white background.

Color Contrast Check

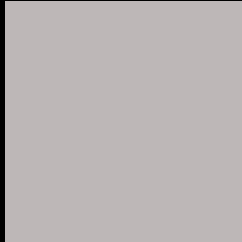
Large Text (above 18pt) WCAG AA × Fail

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 46.4670, 48.1047, 51.6358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

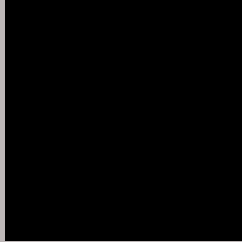
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

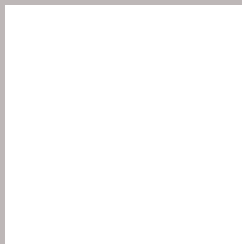
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.4670, 48.1047, 51.6358

Background



This preview shows how black text looks on a background with the XYZ color 46.4670, 48.1047, 51.6358.



This preview shows how white text looks on a background with the XYZ color 46.4670, 48.1047,

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

46.4670, 48.1047, 51.6358

Protanopia

46.2198, 47.9772, 51.6242

Deuteranopia

48.9292, 47.8580, 52.0061



Tritanopia

47.8601, 48.0642, 58.3846

Trichromacy



Original Color

46.4670, 48.1047, 51.6358

Protanomaly

46.2198, 47.9772, 51.6242

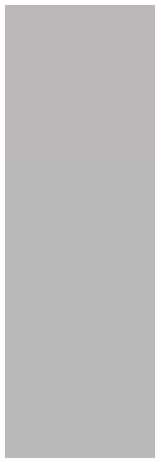
Deuteranomaly

47.9989, 47.9735, 52.0774

Tritanomaly

47.3671, 48.1646, 56.0904

Monochromacy



Original Color

46.4670, 48.1047, 51.6358

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.0419, 48.1808, 52.2206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4670, 48.1047, 51.6358 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(189, 183, 183)` looks like.

```
.text, #text, p{  
    color:rgb(189, 183, 183)  
}
```

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(189, 183, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 183, 183) }
```

Border

The CSS property to change the border of an element to XYZ 46.4670, 48.1047, 51.6358 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(189, 183, 183) }
```


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

```
.border{ border-color:rgb(189, 183, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 183, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 183, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 183, 183);  
box-shadow:4px 4px 4px 4px rgb(189, 183,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4670, 48.1047, 51.6358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 183, 183) }
```

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

```
.background{ background-color: rgb(189,  
183, 183) }
```

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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