

Converting Colors

XYZ(46.8362, 48.3083, 51.6602)

Have a look what the booklet for
XYZ(46.8362, 48.3083, 51.6602)
contains.

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Color

**XYZ(46.7159, 48.2330,
51.6475)**

Conversions

Conversions Part 1

Format	Color
Hex	BEB7B7
RGB	190, 183, 183
RGB Percent	75%, 72%, 72%
CMY	0.2549, 0.2823, 0.2823
CMYK	0.00, 0.04, 0.04, 0.25
HSL	0°, 5%, 73%
HSV	0°, 4%, 75%
XYZ	46.7159, 48.2330, 51.6475
YIQ	185.0930, 4.1720, 1.4840

Conversions

Conversions Part 2

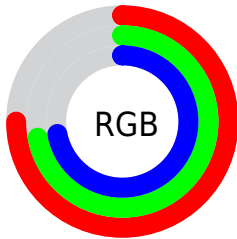
Format	Color
R_{YB}	190, 183, 183
Decimal	12498871
CIE Lab	74.97, 2.47, 0.87
CIE LCh	75, 2.619, 19.422
Yxy	48.2330, 0.3187, 0.3290
Android (android.graphics.Color)	4290688951 (0xFFBEB7B7)
YUV	185.0930, -1.0318, 4.3034
Hunter-Lab	69.4500, -1.4685, 4.5231

Details

The XYZ color **46.7159, 48.2330, 51.6475** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.2361, 50.6111, 55.9951**, and the grayscale version is **46.1709, 48.5754, 52.8986**.

A 20% lighter version of the original color is **84.4525, 87.5578, 94.1106**, and **22.3284, 22.8953, 24.3615** is the 20% darker color. If you saturate the color by 10%, you get **41.2142, 40.1833, 40.7065**, and if you desaturate by 10%, it is **53.0159, 57.4508, 64.1729**.

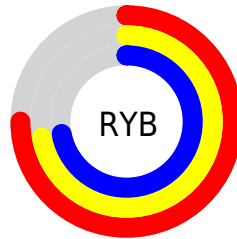
Distribution



Red (75%)

Green (72%)

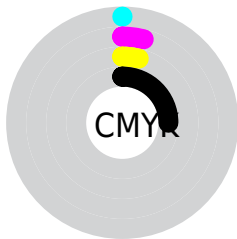
Blue (72%)



Red (75%)

Yellow (72%)

Blue (72%)

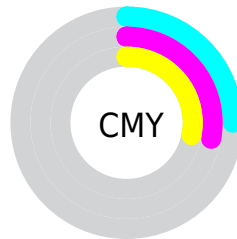


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (25%)



Cyan (25%)

Magenta (28%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7159, 48.2330, 51.6475 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 46.7159, 48.2330, 51.6475 by changing the saturation by 10% instead.

■ 46.7159, 48.2330,
51.6475

■ 46.7159, 48.2330,
51.6475

364.3473,
379.7149, 409.9924

■ 33.0181, 34.0114,
36.3439

■ 84.5107, 87.5512,
94.0325

■ 22.2996, 22.9024,
24.4081

109.3385,
113.4167, 121.9509

■ 14.1951, 14.5214,
15.4216

138.6069,
143.9322, 154.9113

■ 8.3391, 8.4842,
8.9659

172.6815,
179.4822, 193.3322

■ 4.3663, 4.4063,
4.6225

211.9274,
220.4511, 237.6323

■ 1.9114, 1.9034,
1.9727

256.7101,

■ 0.5834, 0.5504,

267.2232, 288.2300

0.5384

307.3949,
320.1831, 345.5438

■ 0.0000, 0.0000,
0.0000

■ 46.7159, 48.2330,
51.6475

■ 46.7159, 48.2330,
51.6475

■ 41.2142, 40.1833,
40.7065

■ 53.0159, 57.4508,
64.1729

■ 36.4751, 33.2491,
31.2838

■ 60.1399, 67.8741,
78.3390

■ 32.4661, 27.3831,
23.3134

■ 68.1177, 79.5463,
94.2032

■ 29.1511, 22.5323,
16.7229

■ 75.0454, 89.6873,
107.9638

■ 26.4906, 18.6391,
11.4342

■ 24.4412, 15.6401,
7.3610

■ 22.9546, 13.4643,
4.4067

■ 21.9747, 12.0300,
2.4602

■ 21.4343, 11.2388,
1.3874

Harmonies

Analogous

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



46.7530, 48.2330, 53.0020



46.7159, 48.2330, 51.6475



46.4442, 48.2330, 50.5444

Triad

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



46.7159, 48.2330, 51.6475



45.1498, 48.2330, 50.8246



45.6756, 48.2330, 55.1466

Complementary

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



46.7159, 48.2330, 51.6475



47.2361, 50.6111, 55.9951

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.



45.2490, 48.2330, 54.5413



46.7159, 48.2330, 51.6475



44.9469, 48.2330, 52.0360

Square

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



46.7159, 48.2330, 51.6475



45.5392, 48.2330, 50.0751



44.9831, 48.2330, 53.3973



46.1502, 48.2330, 55.0382

Rectangle

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



46.7159, 48.2330, 51.6475



46.1677, 48.2330, 50.0927



44.9831, 48.2330, 53.3973



45.5219, 48.2330, 55.0194

Sweetspot

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



46.7173, 48.2351, 51.6485



87.5593, 91.6537, 99.3634



47.4636, 48.5326, 55.5819



19.2396, 20.1444, 21.8438



92.9021, 97.7402, 106.4391



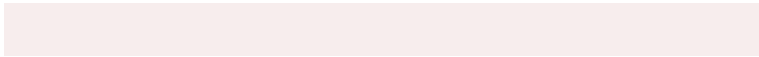
19.4759, 20.4902, 22.3138

Same Dimension

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



46.7173, 48.2351, 51.6485



84.2518, 86.8144, 92.7868



47.4475, 49.6956, 51.8920



10.1073, 10.3810, 11.0621



14.1210, 7.2808, 0.6611



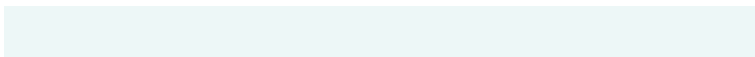
0.5533, 0.2854, 0.0259

Inverse Universe

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



47.2361, 50.6111, 55.9951



85.2866, 91.5532, 101.4556



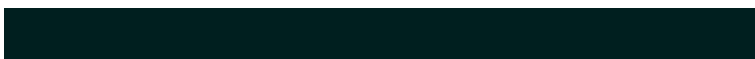
46.4878, 49.1145, 55.7456



10.2506, 11.0371, 12.2623



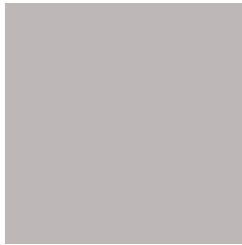
18.4118, 26.9352, 36.6215



0.7213, 1.0553, 1.4345

Previews

White Background



This preview shows how the XYZ color 46.7159, 48.2330, 51.6475 looks on a white background.

Color Contrast Check

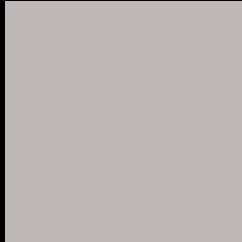
Large Text (above 18pt) WCAG AA × Fail

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 46.7159, 48.2330, 51.6475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

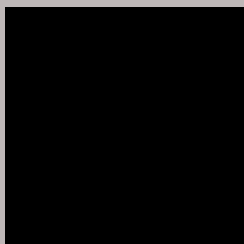
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

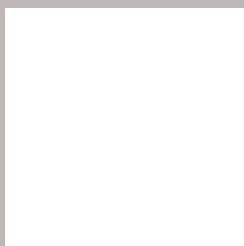
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7159, 48.2330, 51.6475

Background



This preview shows how black text looks on a background with the XYZ color 46.7159, 48.2330, 51.6475.

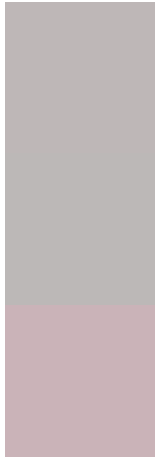


This preview shows how white text looks on a background with the XYZ color 46.7159, 48.2330,

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

46.7159, 48.2330, 51.6475

Protanopia

46.4268, 48.3912, 51.6932

Deuteranopia

49.1289, 48.2574, 52.0726



Tritanopia

48.1124, 48.1943, 58.3964

Trichromacy



Original Color

46.7159, 48.2330, 51.6475

Protanomaly

46.6740, 48.5187, 51.7048

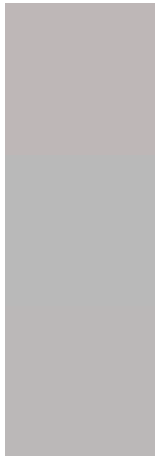
Deuteranomaly

48.2617, 48.1090, 52.0897

Tritanomaly

47.6178, 48.2939, 56.1021

Monochromacy



Original Color

46.7159, 48.2330, 51.6475

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.2857, 48.3065, 52.2320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7159, 48.2330, 51.6475 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, 183, 183)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 183, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 183, 183) }
```

Border

The CSS property to change the border of an element to XYZ 46.7159, 48.2330, 51.6475 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, 183, 183) }
```


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

```
.border{ border-color:rgb(190, 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(190, 183, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 183, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 183, 183);  
box-shadow:4px 4px 4px 4px rgb(190, 183,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7159, 48.2330, 51.6475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 183, 183) }
```

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

```
.background{ background-color: rgb(190,  
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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