

Converting Colors

XYZ(46.2209, 48.3770, 51.5930)

Have a look what the booklet for
XYZ(46.2209, 48.3770, 51.5930)
contains.

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Color

**XYZ(46.1812, 48.2647,
51.6817)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB8B7
RGB	187, 184, 183
RGB Percent	73%, 72%, 72%
CMY	0.2667, 0.2784, 0.2823
CMYK	0.00, 0.02, 0.02, 0.27
HSL	15°, 3%, 73%
HSV	15°, 2%, 73%
XYZ	46.1812, 48.2647, 51.6817
YIQ	184.7830, 2.1090, 0.3250

Conversions

Conversions Part 2

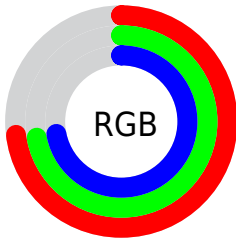
Format	Color
RYB	187, 184, 183
Decimal	12302519
CIELab	74.99, 0.87, 0.87
CIELCh	75, 1.233, 44.928
Yxy	48.2647, 0.3160, 0.3303
Android (android.graphics.Color)	4290492599 (0xFFBBB8B7)
YUV	184.7830, -0.8790, 1.9443
Hunter-Lab	69.4728, -2.9217, 4.5244

Details

The XYZ color **46.1812, 48.2647, 51.6817** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.0568, 48.7720, 54.0007**, and the grayscale version is **45.9986, 48.3941, 52.7011**.

A 20% lighter version of the original color is **83.7022, 87.6069, 94.1596**, and **21.9771, 22.9126, 24.3834** is the 20% darker color. If you saturate the color by 10%, you get **41.5958, 42.0042, 41.1800**, and if you desaturate by 10%, it is **51.3161, 55.2092, 63.6437**.

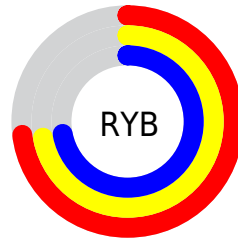
Distribution



Red (73%)

Green (72%)

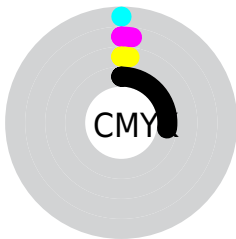
Blue (72%)



Red (73%)

Yellow (72%)

Blue (72%)

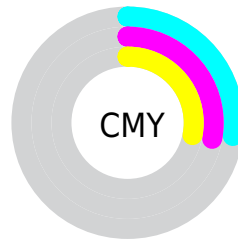


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (27%)



Cyan (27%)

Magenta (28%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1812, 48.2647, 51.6817 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 46.1812, 48.2647, 51.6817 by changing the saturation by 10% instead.

■ 46.1812, 48.2647,
51.6817

■ 46.1812, 48.2647,
51.6817

362.2404,
379.8404, 410.1285

■ 32.5941, 34.0366,
36.3709

■ 83.7163, 87.5984,
94.0834

■ 21.9734, 22.9217,
24.4289

108.3950,
113.4727, 122.0115

■ 13.9538, 14.5357,
15.4369

137.5016,
143.9979, 154.9824

■ 8.1701, 8.4942,
8.9766

171.4014,
179.5583, 193.4147

■ 4.2567, 4.4128,
4.6293

210.4599,
220.5384, 237.7269

■ 1.8483, 1.9070,
1.9765

255.0423,

■ 0.5465, 0.5526,

267.3225, 288.3376

0.5408

305.5140,
320.2950, 345.6653

■ 0.0000, 0.0000,
0.0000

■ 46.1812, 48.2647,
51.6817

■ 46.1812, 48.2647,
51.6817

■ 41.5958, 42.0042,
41.1800

■ 51.3161, 55.2092,
63.6437

■ 37.5375, 36.4007,
32.0793

■ 57.0141, 62.8512,
77.1157

■ 33.9880, 31.4346,
24.3210

■ 63.2931, 71.2118,
92.1493

■ 30.9266, 27.0828,
17.8410

■ 69.7150, 80.1275,
106.3995

■ 28.3311, 23.3209,
12.5700

■ 74.0003, 88.6980,
107.8279

■ 26.1775, 20.1229,
8.4322

■ 74.3037, 89.3049,
107.9291

■ 24.4393, 17.4608,
5.3429

■ 23.0872, 15.3037,
3.2055

■ 22.0873, 13.6176,
1.9051

Harmonies

Analogous

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



46.2935, 48.2647, 52.2335



46.1812, 48.2647, 51.6817



45.9868, 48.2647, 51.3645

Triad

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



46.1812, 48.2647, 51.6817



45.4576, 48.2647, 52.2304



45.9857, 48.2647, 53.7586

Complementary

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



46.1812, 48.2647, 51.6817



46.0568, 48.7720, 54.0007

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.



45.7617, 48.2647, 53.7578



46.1812, 48.2647, 51.6817



45.4573, 48.2647, 52.8719

Square

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



46.1812, 48.2647, 51.6817



45.5692, 48.2647, 51.6795



45.5685, 48.2647, 53.4321



46.1804, 48.2647, 53.4344

Rectangle

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



46.1812, 48.2647, 51.6817



45.8370, 48.2647, 51.3270



45.5685, 48.2647, 53.4321



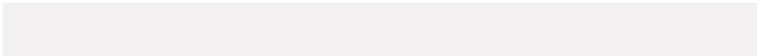
45.9113, 48.2647, 53.7965

Sweetspot

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



46.1826, 48.2668, 51.6827



83.6948, 87.7793, 94.8357



46.2905, 47.9776, 53.2757



18.4410, 19.3441, 20.9076



90.7827, 95.5105, 104.0109



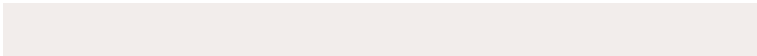
18.6292, 19.5994, 21.3438

Same Dimension

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



46.1826, 48.2668, 51.6827



81.9247, 85.3747, 90.7451



46.6002, 49.1021, 51.8220



10.3081, 10.7181, 11.3274



14.8678, 8.7744, 0.9100



0.6364, 0.4518, 0.0537

Inverse Universe

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



46.0568, 48.7720, 54.0007



81.6056, 86.6567, 96.6267



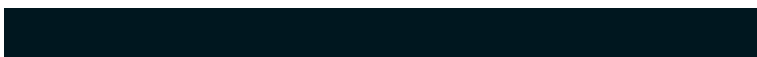
45.6392, 47.9368, 53.8615



10.2587, 10.9168, 12.2387



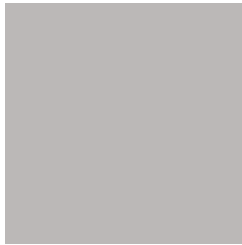
12.7098, 15.5313, 34.7209



0.5469, 0.7066, 1.3764

Previews

White Background



This preview shows how the XYZ color 46.1812, 48.2647, 51.6817 looks on a white background.

Color Contrast Check

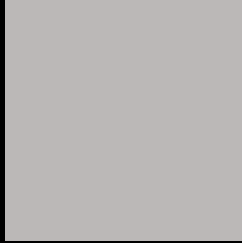
Large Text (above 18pt) WCAG AA × Fail

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 46.1812, 48.2647, 51.6817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

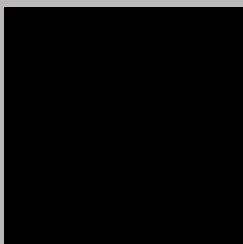
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

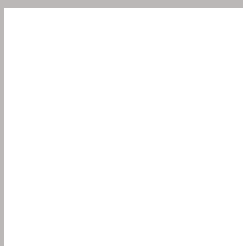
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1812, 48.2647, 51.6817

Background



This preview shows how black text looks on a background with the XYZ color 46.1812, 48.2647, 51.6817.

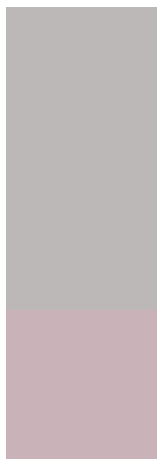


This preview shows how white text looks on a background with the XYZ color 46.1812, 48.2647,

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

46.1812, 48.2647, 51.6817

Protanopia

46.4268, 48.3912, 51.6932

Deuteranopia

49.1289, 48.2574, 52.0726



Tritanopia

47.6780, 48.2602, 59.0268

Trichromacy



Original Color

46.1812, 48.2647, 51.6817

Protanomaly

46.4268, 48.3912, 51.6932

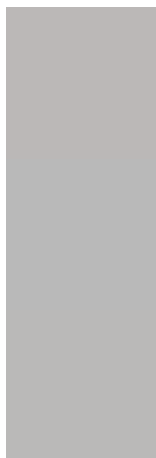
Deuteranomaly

48.2016, 48.3788, 52.1449

Tritanomaly

47.0765, 48.3199, 56.1357

Monochromacy



Original Color

46.1812, 48.2647, 51.6817

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.2504, 48.5977, 52.2900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1812, 48.2647, 51.6817 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(187, 184, 183) looks like.

```
.text, #text, p{  
    color:rgb(187, 184, 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(187, 184, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 184, 183) }
```

Border

The CSS property to change the border of an element to XYZ 46.1812, 48.2647, 51.6817 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(187, 184, 183) }
```


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

```
.border{ border-color:rgb(187, 184, 183) }
```

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

Here you see how a box with a 4 pixel rgb(187, 184, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 184, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 184, 183);  
box-shadow:4px 4px 4px 4px rgb(187, 184,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1812, 48.2647, 51.6817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 184, 183) }
```

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

```
.background{ background-color: rgb(187,  
184, 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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