

Converting Colors

XYZ(45.5019, 46.9901, 51.5957)

Have a look what the booklet for
XYZ(45.5019, 46.9901, 51.5957)
contains.

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Color

**XYZ(45.5646, 47.0314,
51.4762)**

Conversions

Conversions Part 1

Format	Color
Hex	BBB5B7
RGB	187, 181, 183
RGB Percent	73%, 71%, 72%
CMY	0.2667, 0.2902, 0.2823
CMYK	0.00, 0.03, 0.02, 0.27
HSL	340°, 4%, 72%
HSV	340°, 3%, 73%
XYZ	45.5646, 47.0314, 51.4762
YIQ	183.0220, 2.9340, 1.8940

Conversions

Conversions Part 2

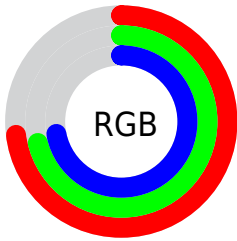
Format	Color
RYB	187, 181, 183
Decimal	12301751
CIELab	74.21, 2.49, -0.27
CIElCh	74, 2.500, 353.803
Yxy	47.0314, 0.3163, 0.3264
Android (android.graphics.Color)	4290491831 (0xFFBBB5B7)
YUV	183.0220, -0.0108, 3.4887
Hunter-Lab	68.5794, -1.4175, 3.5021

Details

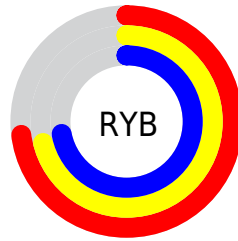
The XYZ color **45.5646, 47.0314, 51.4762** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.5851, 48.8684, 52.9312**, and the grayscale version is **45.0218, 47.3665, 51.5821**.

A 20% lighter version of the original color is **82.8263, 85.8551, 93.8676**, and **21.5800, 22.1184, 24.2510** is the 20% darker color. If you saturate the color by 10%, you get **40.7736, 39.4353, 43.7555**, and if you desaturate by 10%, it is **50.9838, 55.6984, 59.9752**.

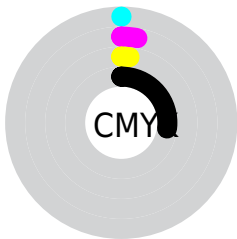
Distribution



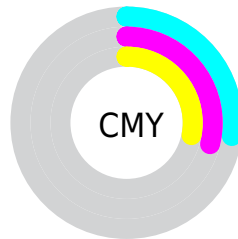
- Red (73%)
- Green (71%)
- Blue (72%)



- Red (73%)
- Yellow (71%)
- Blue (72%)



- Cyan (0%)
- Magenta (3%)
- Yellow (2%)
- Black (27%)



- Cyan (27%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5646, 47.0314, 51.4762 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 45.5646, 47.0314, 51.4762 by changing the saturation by 10% instead.

■ 45.5646, 47.0314,
51.4762

■ 45.5646, 47.0314,
51.4762

359.8008,
374.9399, 409.3104

■ 32.1055, 33.0605,
36.2084

■ 82.7989, 85.7605,
93.7770

■ 21.5981, 22.1728,
24.3042

107.3048,
111.2875, 121.6470

■ 13.6768, 13.9839,
15.3451

136.2237,
141.4352, 154.5549

■ 7.9764, 8.1095,
8.9127

169.9210,
176.5882, 192.9191

■ 4.1315, 4.1651,
4.5882

208.7620,
217.1307, 237.1582

■ 1.7768, 1.7663,
1.9533

253.1120,

■ 0.5036, 0.4661,

263.4472, 287.6908

0.5263

303.3365,
315.9222, 344.9353

■ 0.0000, 0.0000,
0.0000

■ 45.5646, 47.0314,
51.4762

■ 45.5646, 47.0314,
51.4762

■ 40.7736, 39.4353,
43.7555

■ 50.9838, 55.6984,
59.9752

■ 36.5835, 32.8623,
36.7875

■ 57.0490, 65.4694,
69.2707

■ 32.9711, 27.2702,
30.5499

■ 63.7824, 76.3836,
79.3844

■ 29.9100, 22.6116,
25.0178

■ 70.9466, 87.9620,
90.2503

■ 27.3718, 18.8348,
20.1651

■ 72.7913, 88.6999,
99.9644

■ 25.3253, 15.8833,
15.9638

■ 74.3038, 89.3049,
107.9291

■ 23.7359, 13.6938,
12.3837

■ 22.5641, 12.1940,
9.3919

■ 21.7631, 11.2969,
6.9516

Harmonies

Analogous

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



45.4014, 47.0314, 52.6814



45.5646, 47.0314, 51.4762



45.4955, 47.0314, 50.2190

Triad

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



45.5646, 47.0314, 51.4762



44.3548, 47.0314, 48.9830



44.1947, 47.0314, 53.2279

Complementary

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



45.5646, 47.0314, 51.4762



45.5851, 48.8684, 52.9312

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.



43.9177, 47.0314, 52.2123



45.5646, 47.0314, 51.4762



44.0097, 47.0314, 49.7647

Square

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



45.5646, 47.0314, 51.4762



44.7951, 47.0314, 48.7933



43.8502, 47.0314, 50.9431



44.6089, 47.0314, 53.7035

Rectangle

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



45.5646, 47.0314, 51.4762



45.3271, 47.0314, 49.5189



43.8502, 47.0314, 50.9431



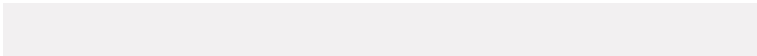
44.0825, 47.0314, 52.9375

Sweetspot

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



45.5659, 47.0334, 51.4772



83.6357, 87.4692, 95.4080



45.5026, 46.9520, 53.6787



18.4287, 19.2792, 21.0273



90.7827, 95.5105, 104.0109



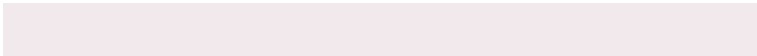
18.6292, 19.5994, 21.3438

Same Dimension

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



45.5659, 47.0334, 51.4772



80.8277, 82.9943, 90.9539



45.5635, 47.3588, 50.4582



10.1744, 10.4076, 11.4162



14.7547, 7.5330, 4.0020



0.6089, 0.3075, 0.3199

Inverse Universe

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



45.5659, 47.0334, 51.4772



80.8277, 82.9943, 90.9539



45.5861, 48.5307, 53.9790



10.1744, 10.4076, 11.4162



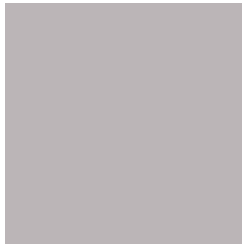
14.7547, 7.5330, 4.0020



0.6089, 0.3075, 0.3199

Previews

White Background



This preview shows how the XYZ color 45.5646, 47.0314, 51.4762 looks on a white background.

Color Contrast Check

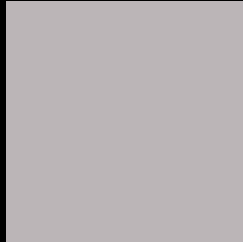
Large Text (above 18pt) WCAG AA × Fail

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 45.5646, 47.0314, 51.4762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

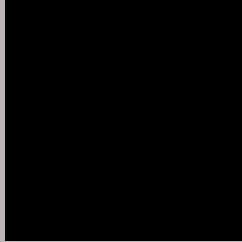
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

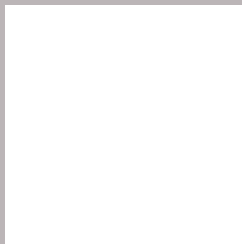
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5646, 47.0314, 51.4762

Background



This preview shows how black text looks on a background with the XYZ color 45.5646, 47.0314, 51.4762.

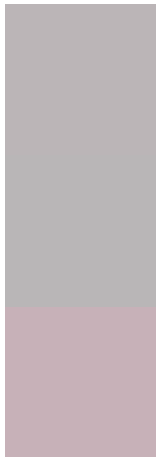


This preview shows how white text looks on a background with the XYZ color 45.5646, 47.0314,

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

45.5646, 47.0314, 51.4762

Protanopia

45.2828, 47.1891, 51.5215

Deuteranopia

47.9271, 47.0471, 51.9024



Tritanopia

46.8440, 46.9541, 57.6330

Trichromacy



Original Color

45.5646, 47.0314, 51.4762

Protanomaly

45.5249, 47.3139, 51.5328

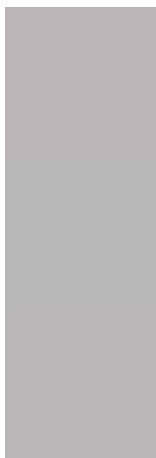
Deuteranomaly

47.0778, 46.9036, 51.9194

Tritanomaly

46.3546, 47.0516, 55.3539

Monochromacy



Original Color

45.5646, 47.0314, 51.4762

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.0424, 47.0651, 51.5102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5646, 47.0314, 51.4762 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, 181, 183)` looks like.

```
.text, #text, p{  
    color:rgb(187, 181, 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, 181, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 181, 183) }
```

Border

The CSS property to change the border of an element to XYZ 45.5646, 47.0314, 51.4762 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, 181, 183) }
```


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

```
.border{ border-color:rgb(187, 181, 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, 181, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 181, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 181, 183);  
box-shadow:4px 4px 4px 4px rgb(187, 181,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5646, 47.0314, 51.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 181, 183) }
```

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

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