

Converting Colors

XYZ(46.9991, 48.3218, 54.7861)

Have a look what the booklet for
XYZ(46.9991, 48.3218, 54.7861)
contains.

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Color

**XYZ(47.1051, 48.3599,
54.9958)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB7BD
RGB	189, 183, 189
RGB Percent	74%, 72%, 74%
CMY	0.2588, 0.2823, 0.2588
CMYK	0.00, 0.03, 0.00, 0.26
HSL	300°, 4%, 73%
HSV	300°, 3%, 74%
XYZ	47.1051, 48.3599, 54.9958
YIQ	185.4780, 1.6500, 3.1380

Conversions

Conversions Part 2

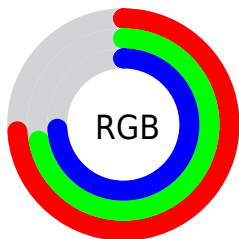
Format	Color
RYB	189, 183, 189
Decimal	12433341
CIELab	75.05, 3.22, -2.29
CIELCh	75, 3.952, 324.553
Yxy	48.3599, 0.3131, 0.3214
Android (android.graphics.Color)	4290623421 (0xFFBDB7BD)
YUV	185.4780, 1.7363, 3.0888
Hunter-Lab	69.5413, -0.7869, 1.7902

Details

The XYZ color **47.1051, 48.3599, 54.9958** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.2751, 49.8828, 51.9917**, and the grayscale version is **46.3715, 48.7864, 53.1284**.

A 20% lighter version of the original color is **85.0041, 87.7381, 98.8411**, and **22.5799, 22.9771, 26.5375** is the 20% darker color. If you saturate the color by 10%, you get **43.4661, 41.0814, 53.7830**, and if you desaturate by 10%, it is **51.2703, 56.6895, 56.3852**.

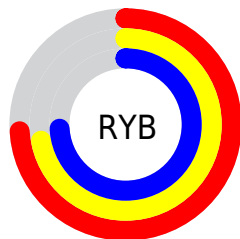
Distribution



Red (74%)

Green (72%)

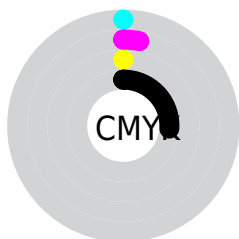
Blue (74%)



Red (74%)

Yellow (72%)

Blue (74%)

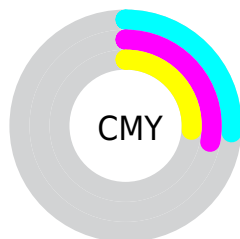


Cyan (0%)

Magenta (3%)

Yellow (0%)

Black (26%)



Cyan (26%)

Magenta (28%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1051, 48.3599, 54.9958 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 47.1051, 48.3599, 54.9958 by changing the saturation by 10% instead.

■ 47.1051, 48.3599,
54.9958

■ 47.1051, 48.3599,
54.9958

365.8758,
380.2169, 423.1775

■ 33.3270, 34.1120,
38.9998

■ 85.0883, 87.7400,
99.0059

■ 22.5375, 22.9796,
26.4517

110.0241,
113.6410, 127.8570

■ 14.3712, 14.5785,
16.9331

139.4099,
144.1952, 161.8303

■ 8.4627, 8.5241,
10.0253

173.6110,
179.7868, 201.3443

■ 4.4467, 4.4321,
5.3099

212.9928,
220.8005, 246.8174

■ 1.9578, 1.9181,
2.3683

257.9206,

■ 0.6101, 0.5592,

267.6204, 298.6683

0.7691

308.7598,
320.6311, 357.3155

■ 0.0000, 0.0000,
0.0000

■ 47.1051, 48.3599,
54.9958

■ 47.1051, 48.3599,
54.9958

■ 43.4661, 41.0814,
53.7830

■ 51.2703, 56.6895,
56.3852

■ 40.3285, 34.8064,
52.7367

■ 55.9772, 66.1031,
57.9546

■ 37.6716, 29.4927,
51.8507

■ 61.2456, 76.6398,
59.7111

■ 35.4716, 25.0928,
51.1169

■ 65.9324, 86.0133,
61.2738

■ 33.7029, 21.5554,
50.5269

■ 65.9325, 86.0134,
61.2743

■ 32.3370, 18.8239,
50.0712

■ 65.9326, 86.0134,
61.2747

■ 31.3424, 16.8348,
49.7393

■ 65.9327, 86.0134,
61.2752

■ 30.6826, 15.5154,
49.5189

■ 65.9328, 86.0135,
61.2756

■ 30.3140, 14.7783,
49.3956

■ 65.9328, 86.0135,
61.2760

Harmonies

Analogous

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



46.5440, 48.3599, 56.3562



47.1051, 48.3599, 54.9958



47.3608, 48.3599, 53.0341

Triad

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



47.1051, 48.3599, 54.9958



46.0966, 48.3599, 48.7954



44.7132, 48.3599, 54.3255

Complementary

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



47.1051, 48.3599, 54.9958



46.2751, 49.8828, 51.9917

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.



44.5962, 48.3599, 52.2791



47.1051, 48.3599, 54.9958



45.3901, 48.3599, 49.1208

Square

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



47.1051, 48.3599, 54.9958



46.7746, 48.3599, 49.4821



44.8427, 48.3599, 50.3830



45.1640, 48.3599, 55.9622

Rectangle

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



47.1051, 48.3599, 54.9958



47.3218, 48.3599, 51.6628



44.8427, 48.3599, 50.3830



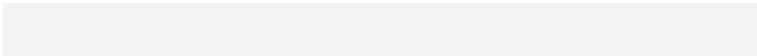
44.6337, 48.3599, 53.6613

Sweetspot

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



47.1065, 48.3620, 54.9969



85.8943, 89.6709, 99.0072



45.6494, 47.6108, 54.9288



18.4793, 19.2995, 21.2938



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.



47.1065, 48.3620, 54.9969



83.7479, 85.3781, 98.2915



46.7843, 48.2331, 53.3001



10.3134, 10.4632, 12.1482



20.2998, 9.7511, 33.2022



0.7952, 0.3820, 1.3006

Inverse Universe

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



47.1065, 48.3620, 54.9969



83.7479, 85.3781, 98.2915



46.5907, 50.0090, 53.6531



10.3134, 10.4632, 12.1482



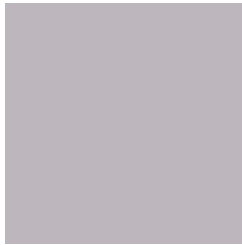
20.2998, 9.7511, 33.2022



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 47.1051, 48.3599, 54.9958 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 47.1051, 48.3599, 54.9958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

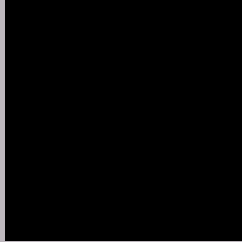
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1051, 48.3599, 54.9958

Background



This preview shows how black text looks on a background with the XYZ color 47.1051, 48.3599, 54.9958.

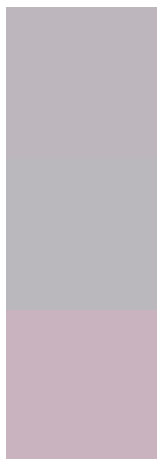


This preview shows how white text looks on a background with the XYZ color 47.1051, 48.3599,

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

47.1051, 48.3599, 54.9958

Protanopia

46.8193, 48.5199, 55.0417

Deuteranopia

49.2338, 48.2373, 55.4310



Tritanopia

47.9270, 48.3886, 59.0385

Trichromacy



Original Color

47.1051, 48.3599, 54.9958

Protanomaly

47.0648, 48.6465, 55.0532

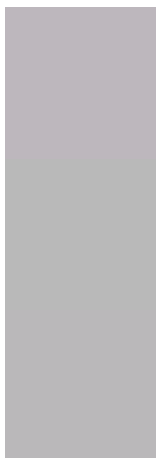
Deuteranomaly

48.3805, 48.0960, 55.4487

Tritanomaly

47.5888, 48.2533, 57.2577

Monochromacy



Original Color

47.1051, 48.3599, 54.9958

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.2531, 48.2653, 53.3327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1051, 48.3599, 54.9958 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, 189)` looks like.

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

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, 189) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 47.1051, 48.3599, 54.9958 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, 189) }
```


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

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

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, 189)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 47.1051, 48.3599, 54.9958 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, 189) }
```

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

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

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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