

Converting Colors

XYZ(48.0380, 49.6347, 54.3934)

Have a look what the booklet for
XYZ(48.0380, 49.6347, 54.3934)
contains.

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Color

**XYZ(48.1219, 49.8250,
54.6578)**

Conversions

Conversions Part 1

Format	Color
Hex	BFBABC
RGB	191, 186, 188
RGB Percent	75%, 73%, 74%
CMY	0.2510, 0.2706, 0.2627
CMYK	0.00, 0.03, 0.02, 0.25
HSL	336°, 4%, 74%
HSV	336°, 3%, 75%
XYZ	48.1219, 49.8250, 54.6578
YIQ	187.7230, 2.3380, 1.6820

Conversions

Conversions Part 2

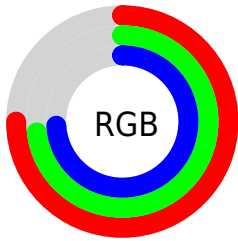
Format	Color
RYB	191, 186, 188
Decimal	12565180
CIELab	75.96, 2.12, -0.40
CIElCh	76, 2.159, 349.447
Yxy	49.8250, 0.3153, 0.3265
Android (android.graphics.Color)	4290755260 (0xFFBFBABC)
YUV	187.7230, 0.1366, 2.8739
Hunter-Lab	70.5868, -1.8363, 3.5005

Details

The XYZ color **48.1219, 49.8250, 54.6578** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.0677, 51.3762, 55.5300**, and the grayscale version is **47.6423, 50.1235, 54.5844**.

A 20% lighter version of the original color is **86.4390, 89.8101, 98.3672**, and **23.2419, 23.9276, 26.3152** is the 20% darker color. If you saturate the color by 10%, you get **43.1768, 41.8347, 47.1508**, and if you desaturate by 10%, it is **53.7060, 58.9346, 62.8638**.

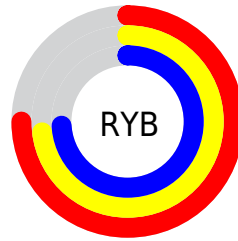
Distribution



Red (75%)

Green (73%)

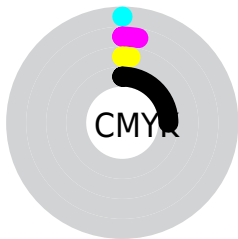
Blue (74%)



Red (75%)

Yellow (73%)

Blue (74%)

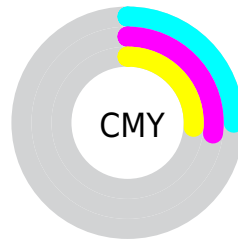


Cyan (0%)

Magenta (3%)

Yellow (2%)

Black (25%)



Cyan (25%)

Magenta (27%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1219, 49.8250, 54.6578 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 48.1219, 49.8250, 54.6578 by changing the saturation by 10% instead.

■ 48.1219, 49.8250,
54.6578

■ 48.1219, 49.8250,
54.6578

369.8497,
385.9812, 421.8588

■ 34.1351, 35.2744,
38.7311

■ 86.5945, 89.9155,
98.5055

■ 23.1608, 23.8743,
26.2444

111.8109,
116.2242, 127.2636

■ 14.8336, 15.2404,
16.7791

141.5013,
147.2211, 161.1358

■ 8.7883, 8.9883,
9.9169

176.0310,
183.2904, 200.5408

■ 4.6593, 4.7335,
5.2390

215.7653,
224.8167, 245.8970

■ 2.0815, 2.0918,
2.3270

261.0696,

■ 0.6791, 0.6600,

272.1844, 297.6231

0.7463

312.3093,
325.7777, 356.1375

■ 0.0000, 0.0000,
0.0000

■ 48.1219, 49.8250,
54.6578

■ 48.1219, 49.8250,
54.6578

■ 43.1768, 41.8347,
47.1508

■ 53.7060, 58.9346,
62.8638

■ 38.8429, 34.9140,
40.3204

■ 59.9469, 69.1980,
71.7837

■ 35.0968, 29.0189,
34.1478

■ 66.8673, 80.6561,
81.4360

■ 31.9117, 24.1000,
28.6121

■ 72.0792, 88.5298,
91.0351

■ 29.2589, 20.1037,
23.6910

■ 73.7797, 89.2100,
99.9898

■ 27.1067, 16.9711,
19.3609

■ 75.2962, 89.8166,
107.9755

■ 25.4200, 14.6366,
15.5964

■ 24.1590, 13.0249,
12.3695

■ 23.2760, 12.0460,
9.6490

Harmonies

Analogous

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



47.9475, 49.8250, 55.7044



48.1219, 49.8250, 54.6578



48.0905, 49.8250, 53.5165

Triad

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



48.1219, 49.8250, 54.6578



47.1000, 49.8250, 52.1882



46.8559, 49.8250, 55.9521

Complementary

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



48.1219, 49.8250, 54.6578



48.0677, 51.3762, 55.5300

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.



46.6313, 49.8250, 54.9921



48.1219, 49.8250, 54.6578



46.7717, 49.8250, 52.8230

Square

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



48.1219, 49.8250, 54.6578



47.4990, 49.8250, 52.1015



46.6006, 49.8250, 53.8461



47.2156, 49.8250, 56.4587

Rectangle

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



48.1219, 49.8250, 54.6578



47.9572, 49.8250, 52.8552



46.6006, 49.8250, 53.8461



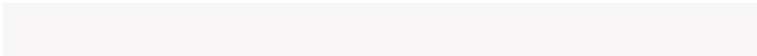
46.7622, 49.8250, 55.6711

Sweetspot

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



48.1233, 49.8272, 54.6589



87.7102, 91.7135, 100.1597



47.9509, 49.7005, 56.3569



19.2711, 20.1569, 22.0101



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.



48.1233, 49.8272, 54.6589



85.7824, 88.5812, 97.2873



48.0149, 49.9525, 53.5680



10.2925, 10.5823, 11.6446



15.0223, 7.6401, 5.4113



0.6209, 0.3122, 0.3827

Inverse Universe

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



48.1233, 49.8272, 54.6589



85.7824, 88.5812, 97.2873



48.1773, 51.2460, 56.6433



10.2925, 10.5823, 11.6446



15.0223, 7.6401, 5.4113



0.6209, 0.3122, 0.3827

Previews

White Background



This preview shows how the XYZ color 48.1219, 49.8250, 54.6578 looks on a white background.

Color Contrast Check

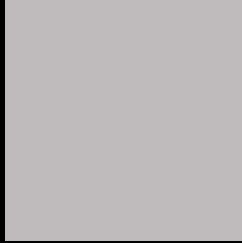
Large Text (above 18pt) WCAG AA × Fail

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 48.1219, 49.8250, 54.6578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

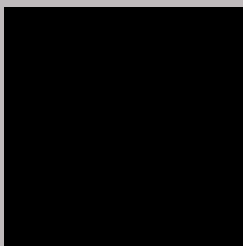
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

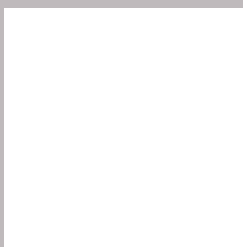
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.1219, 49.8250, 54.6578

Background



This preview shows how black text looks on a background with the XYZ color 48.1219, 49.8250, 54.6578.



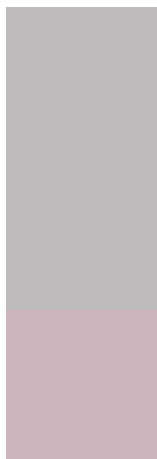
This preview shows how white text looks on a background with the XYZ color 48.1219, 49.8250,

54.6578.

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

48.1219, 49.8250, 54.6578

Protanopia

47.8712, 49.6958, 54.6461

Deuteranopia

50.6110, 49.5592, 55.0425



Tritanopia

49.4416, 49.7420, 61.0281

Trichromacy



Original Color

48.1219, 49.8250, 54.6578

Protanomaly

47.8712, 49.6958, 54.6461

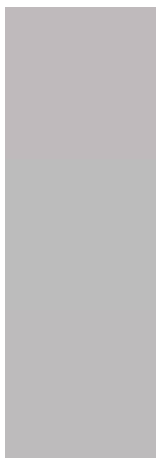
Deuteranomaly

49.6720, 49.6832, 55.1159

Tritanomaly

48.9375, 49.8445, 58.6714

Monochromacy



Original Color

48.1219, 49.8250, 54.6578

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.8337, 49.9903, 54.7049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1219, 49.8250, 54.6578 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(191, 186, 188)` looks like.

```
.text, #text, p{  
    color:rgb(191, 186, 188)  
}
```

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(191, 186, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 186, 188) }
```

Border

The CSS property to change the border of an element to XYZ 48.1219, 49.8250, 54.6578 is called "border". The border property can be set on classes, ids or directly on the HTML element.

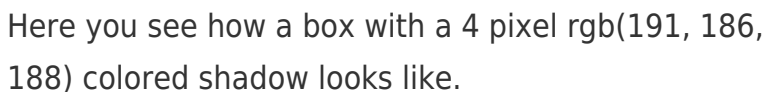
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 186, 188) }
```


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

```
.border{ border-color:rgb(191, 186, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 186, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 186, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 186, 188); box-shadow:4px 4px 4px 4px rgb(191, 186, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1219, 49.8250, 54.6578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 186, 188) }
```

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

```
.background{ background-color: rgb(191,  
186, 188) }
```

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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