

Converting Colors

XYZ(45.9174, 47.2269, 51.6197)

Have a look what the booklet for
XYZ(45.9174, 47.2269, 51.6197)
contains.

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Color

**XYZ(45.8102, 47.1580,
51.4877)**

Conversions

Conversions Part 1

Format	Color
Hex	BCB5B7
RGB	188, 181, 183
RGB Percent	74%, 71%, 72%
CMY	0.2627, 0.2902, 0.2823
CMYK	0.00, 0.04, 0.03, 0.26
HSL	343°, 5%, 72%
HSV	343°, 4%, 74%
XYZ	45.8102, 47.1580, 51.4877
YIQ	183.3210, 3.5300, 2.1060

Conversions

Conversions Part 2

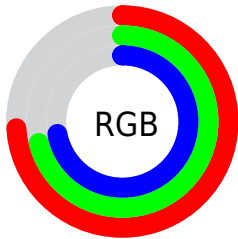
Format	Color
R _Y B	188, 181, 183
Decimal	12367287
CIE Lab	74.29, 2.84, -0.14
CIE LCh	74, 2.842, 357.136
Yxy	47.1580, 0.3171, 0.3265
Android (android.graphics.Color)	4290557367 (0xFFBCB5B7)
YUV	183.3210, -0.1583, 4.1035
Hunter-Lab	68.6717, -1.0999, 3.6165

Details

The XYZ color **45.8102, 47.1580, 51.4877** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.9040, 49.3367, 53.5604**, and the grayscale version is **45.1866, 47.5398, 51.7708**.

A 20% lighter version of the original color is **83.1724, 86.0335, 93.8838**, and **21.7401, 22.2009, 24.2585** is the 20% darker color. If you saturate the color by 10%, you get **40.9105, 39.4901, 43.2817**, and if you desaturate by 10%, it is **51.3620, 55.9150, 60.5708**.

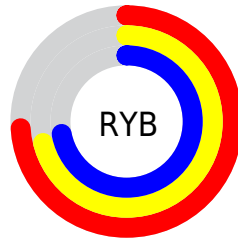
Distribution



Red (74%)

Green (71%)

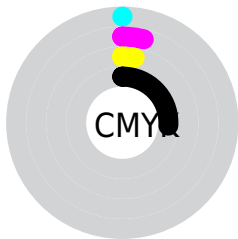
Blue (72%)



Red (74%)

Yellow (71%)

Blue (72%)

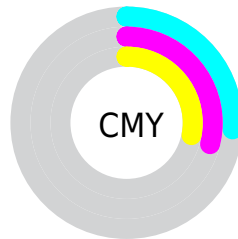


Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (26%)



Cyan (26%)

Magenta (29%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8102, 47.1580, 51.4877 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 45.8102, 47.1580, 51.4877 by changing the saturation by 10% instead.

■ 45.8102, 47.1580,
51.4877

■ 45.8102, 47.1580,
51.4877

360.7738,
375.4448, 409.3562

■ 32.3001, 33.1606,
36.2175

■ 83.1645, 85.9494,
93.7941

■ 21.7475, 22.2495,
24.3112

107.7393,
111.5122, 121.6674

■ 13.7870, 14.0403,
15.3503

136.7331,
141.6989, 154.5788

■ 8.0534, 8.1487,
8.9162

170.5112,
176.8939, 192.9468

■ 4.1812, 4.1903,
4.5905

209.4390,
217.4816, 237.1901

■ 1.8052, 1.7806,
1.9546

253.8818,

■ 0.5208, 0.4750,

263.8464, 287.7270

0.5271

304.2049,
316.3727, 344.9762

■ 0.0000, 0.0000,
0.0000

■ 45.8102, 47.1580,
51.4877

■ 45.8102, 47.1580,
51.4877

■ 40.9105, 39.4901,
43.2817

■ 51.3620, 55.9150,
60.5708

■ 36.6345, 32.8628,
35.9233

■ 57.5847, 65.7953,
70.5531

■ 32.9580, 27.2327,
29.3858

■ 64.5015, 76.8388,
81.4600

■ 29.8531, 22.5512,
23.6398

■ 71.7475, 88.3108,
93.1862

■ 27.2902, 18.7655,
18.6542

■ 73.7822, 89.1247,
103.9006

■ 25.2366, 15.8176,
14.3957

■ 74.5494, 89.4315,
107.9406

■ 23.6561, 13.6426,
10.8284

■ 22.5071, 12.1661,
7.9129

■ 21.7404, 11.2985,
5.6051

Harmonies

Analogous

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



45.6522, 47.1580, 52.8883



45.8102, 47.1580, 51.4877



45.7019, 47.1580, 50.0750

Triad

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



45.8102, 47.1580, 51.4877



44.3759, 47.1580, 48.8847



44.2915, 47.1580, 53.7457

Complementary

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



45.8102, 47.1580, 51.4877



45.9040, 49.3367, 53.5604

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.



43.9540, 47.1580, 52.6405



45.8102, 47.1580, 51.4877



44.0025, 47.1580, 49.8360

Square

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



45.8102, 47.1580, 51.4877



44.8714, 47.1580, 48.5891



43.8486, 47.1580, 51.2066



44.7732, 47.1580, 54.2074

Rectangle

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



45.8102, 47.1580, 51.4877



45.4936, 47.1580, 49.3131



43.8486, 47.1580, 51.2066



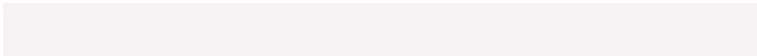
44.1576, 47.1580, 53.4361

Sweetspot

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



45.8115, 47.1600, 51.4887



85.6288, 89.5647, 97.6087



45.8280, 47.1073, 54.2550



18.4251, 19.2778, 21.0084



90.7827, 95.5105, 104.0109



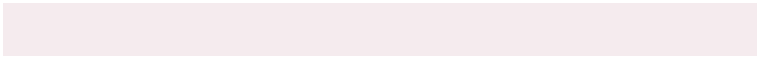
18.6292, 19.5994, 21.3438

Same Dimension

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



45.8115, 47.1600, 51.4887



82.7007, 84.9592, 92.7769



45.8911, 47.6495, 50.4970



10.1647, 10.4037, 11.3651



14.5962, 7.4696, 3.1672



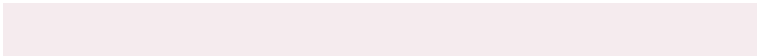
0.6009, 0.3043, 0.2778

Inverse Universe

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



45.8115, 47.1600, 51.4887



82.7007, 84.9592, 92.7769



45.8204, 48.8272, 54.5874



10.1647, 10.4037, 11.3651



14.5962, 7.4696, 3.1672



0.6009, 0.3043, 0.2778

Previews

White Background



This preview shows how the XYZ color 45.8102, 47.1580, 51.4877 looks on a white background.

Color Contrast Check

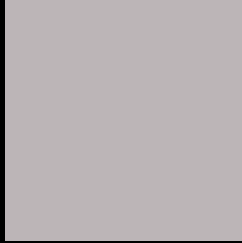
Large Text (above 18pt) WCAG AA × Fail

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 45.8102, 47.1580, 51.4877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

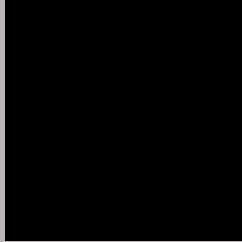
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8102, 47.1580, 51.4877

Background



This preview shows how black text looks on a background with the XYZ color 45.8102, 47.1580, 51.4877.

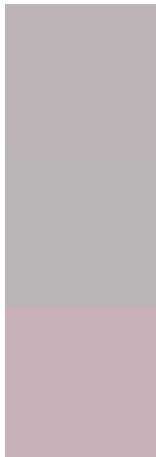


This preview shows how white text looks on a background with the XYZ color 45.8102, 47.1580,

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

45.8102, 47.1580, 51.4877

Protanopia

45.5249, 47.3139, 51.5328

Deuteranopia

48.1933, 47.1843, 51.9148



Tritanopia

46.9809, 47.0376, 57.0551

Trichromacy



Original Color

45.8102, 47.1580, 51.4877

Protanomaly

45.7687, 47.4396, 51.5442

Deuteranomaly

47.3371, 47.0372, 51.9316

Tritanomaly

46.4928, 47.1355, 54.7917

Monochromacy



Original Color

45.8102, 47.1580, 51.4877

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2828, 47.1891, 51.5215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8102, 47.1580, 51.4877 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(188, 181, 183)` looks like.

```
.text, #text, p{  
    color:rgb(188, 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(188, 181, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 181, 183) }
```

Border

The CSS property to change the border of an element to XYZ 45.8102, 47.1580, 51.4877 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(188, 181, 183) }
```


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

```
.border{ border-color:rgb(188, 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(188, 181, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 181, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 181, 183);  
box-shadow:4px 4px 4px 4px rgb(188, 181,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8102, 47.1580, 51.4877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 181, 183) }
```

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

```
.background{ background-color: rgb(188,  
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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