

Converting Colors

XYZ(49.8102, 51.1936, 54.9396)

Have a look what the booklet for
XYZ(49.8102, 51.1936, 54.9396)
contains.

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Color

**XYZ(49.8253, 51.3330,
54.8591)**

Conversions

Conversions Part 1

Format	Color
Hex	C4BCBC
RGB	196, 188, 188
RGB Percent	77%, 74%, 74%
CMY	0.2314, 0.2627, 0.2627
CMYK	0.00, 0.04, 0.04, 0.23
HSL	0°, 6%, 75%
HSV	0°, 4%, 77%
XYZ	49.8253, 51.3330, 54.8591
YIQ	190.3920, 4.7680, 1.6960

Conversions

Conversions Part 2

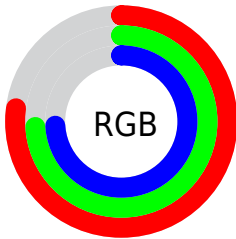
Format	Color
R _Y B	196, 188, 188
Decimal	12893372
CIE Lab	76.88, 2.81, 0.99
CIE LCh	77, 2.981, 19.467
Yxy	51.3330, 0.3194, 0.3290
Android (android.graphics.Color)	4291083452 (0xFFC4BCBC)
YUV	190.3920, -1.1793, 4.9182
Hunter-Lab	71.6471, -1.2486, 4.7554

Details

The XYZ color **49.8253, 51.3330, 54.8591** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **50.4428, 54.1561, 60.0200**, and the grayscale version is **49.1754, 51.7364, 56.3409**.

A 20% lighter version of the original color is **89.1878, 92.1157, 98.6673**, and **24.1925, 24.8280, 26.4389** is the 20% darker color. If you saturate the color by 10%, you get **43.9495, 42.7359, 43.1745**, and if you desaturate by 10%, it is **56.5592, 61.1857, 68.2468**.

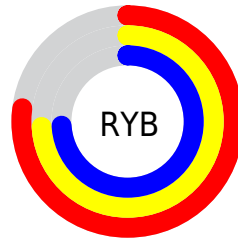
Distribution



Red (77%)

Green (74%)

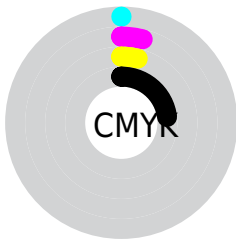
Blue (74%)



Red (77%)

Yellow (74%)

Blue (74%)

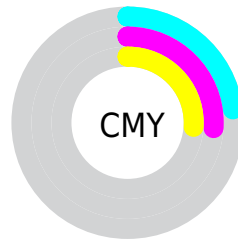


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (23%)



Cyan (23%)

Magenta (26%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8253, 51.3330, 54.8591 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 49.8253, 51.3330, 54.8591 by changing the saturation by 10% instead.

■ 49.8253, 51.3330,
54.8591

■ 49.8253, 51.3330,
54.8591

376.4457,
391.8562, 422.6445

■ 35.4918, 36.4737,
38.8911

■ 89.1094, 92.1468,
98.8036

■ 24.2103, 24.8003,
26.3678

114.7906,
118.8701, 127.6171

■ 15.6153, 15.9283,
16.8708

144.9853,
150.3169, 161.5495

■ 9.3414, 9.4734,
9.9814

180.0586,
186.8714, 201.0195

■ 5.0234, 5.0513,
5.2812

220.3759,
228.9183, 246.4454

■ 2.2959, 2.2774,
2.3516

266.3026,

■ 0.7926, 0.7617,

276.8418, 298.2458

0.7599

318.2041,
331.0263, 356.8393

■ 0.0000, 0.0000,
0.0000

■ 49.8253, 51.3330,
54.8591

■ 49.8253, 51.3330,
54.8591

■ 43.9495, 42.7359,
43.1745

■ 56.5592, 61.1857,
68.2468

■ 38.8933, 35.3376,
33.1215

■ 64.1790, 72.3346,
83.3984

■ 34.6215, 29.0870,
24.6285

■ 72.7170, 84.8267,
100.3759

■ 31.0948, 23.9265,
17.6175

■ 76.5753, 90.4760,
108.0354

■ 28.2707, 19.7939,
12.0036

■ 26.1020, 16.6203,
7.6931

■ 24.5362, 14.3286,
4.5814

■ 23.5123, 12.8299,
2.5474

■ 22.9568, 12.0167,
1.4446

Harmonies

Analogous

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



49.8699, 51.3330, 56.4654



49.8253, 51.3330, 54.8591



49.5022, 51.3330, 53.5540

Triad

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



49.8253, 51.3330, 54.8591



47.9668, 51.3330, 53.8888



48.5915, 51.3330, 59.0182

Complementary

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



49.8253, 51.3330, 54.8591



50.4428, 54.1561, 60.0200

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.



48.0856, 51.3330, 58.2990



49.8253, 51.3330, 54.8591



47.7268, 51.3330, 55.3243

Square

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



49.8253, 51.3330, 54.8591



48.4282, 51.3330, 53.0013



47.7701, 51.3330, 56.9396



49.1546, 51.3330, 58.8878

Rectangle

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



49.8253, 51.3330, 54.8591



49.1738, 51.3330, 53.0205



47.7701, 51.3330, 56.9396



48.4092, 51.3330, 58.8673

Sweetspot

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



49.8267, 51.3352, 54.8602



93.8343, 98.2213, 106.4828



50.7128, 51.6885, 59.5294



20.0972, 21.0421, 22.8172



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



49.8267, 51.3352, 54.8602



89.1327, 91.3421, 97.1344



50.6925, 53.0667, 55.1488



10.5598, 10.7900, 11.4431



14.6282, 7.5422, 0.6848



0.6322, 0.3261, 0.0296

Inverse Universe

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



50.4428, 54.1561, 60.0200



90.5122, 97.6582, 108.6872



49.5532, 52.3770, 59.7234



10.7411, 11.6202, 12.9616



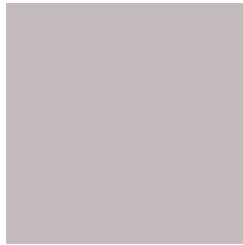
19.0745, 27.9056, 37.9376



0.8243, 1.2060, 1.6392

Previews

White Background



This preview shows how the XYZ color 49.8253, 51.3330, 54.8591 looks on a white background.

Color Contrast Check

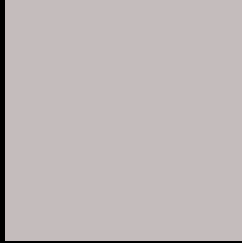
Large Text (above 18pt) WCAG AA × Fail

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 49.8253, 51.3330, 54.8591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

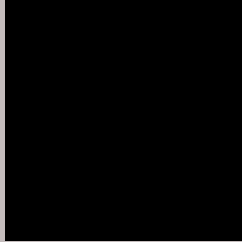
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

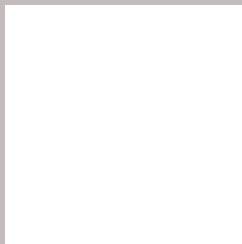
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8253, 51.3330, 54.8591

Background



This preview shows how black text looks on a background with the XYZ color 49.8253, 51.3330, 54.8591.

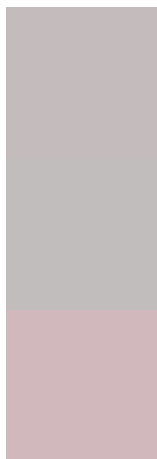


This preview shows how white text looks on a background with the XYZ color 49.8253, 51.3330,

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

49.8253, 51.3330, 54.8591

Protanopia

49.2670, 51.3635, 54.8944

Deuteranopia

52.3382, 51.3650, 55.3000



Tritanopia

51.3902, 51.3406, 62.4595

Trichromacy



Original Color

49.8253, 51.3330, 54.8591

Protanomaly

49.5228, 51.4954, 54.9064

Deuteranomaly

51.4361, 51.2094, 55.3175

Tritanomaly

50.7601, 51.3965, 59.4697

Monochromacy



Original Color

49.8253, 51.3330, 54.8591

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

49.1211, 51.2758, 55.4524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8253, 51.3330, 54.8591 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(196, 188, 188)` looks like.

```
.text, #text, p{  
    color:rgb(196, 188, 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(196, 188, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 188, 188) }
```

Border

The CSS property to change the border of an element to XYZ 49.8253, 51.3330, 54.8591 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(196, 188, 188) }
```


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

```
.border{ border-color:rgb(196, 188, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 188, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 188, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 188, 188);  
box-shadow:4px 4px 4px 4px rgb(196, 188,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8253, 51.3330, 54.8591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 188, 188) }
```

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

```
.background{ background-color: rgb(196,  
188, 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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