

Converting Colors

XYZ(48.5445, 51.6001, 49.4691)

Have a look what the booklet for
XYZ(48.5445, 51.6001, 49.4691)
contains.

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Color

**XYZ(48.6590, 51.8134,
49.5559)**

Conversions

Conversions Part 1

Format	Color
Hex	C1BFB2
RGB	193, 191, 178
RGB Percent	76%, 75%, 70%
CMY	0.2431, 0.2510, 0.3020
CMYK	0.00, 0.01, 0.08, 0.24
HSL	52°, 11%, 73%
HSV	52°, 8%, 76%
XYZ	48.6590, 51.8134, 49.5559
YIQ	190.1160, 5.3650, -3.6190

Conversions

Conversions Part 2

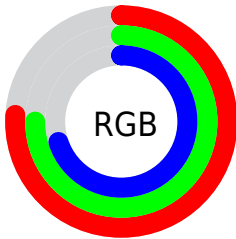
Format	Color
RYB	180, 193, 178
Decimal	12697522
CIELab	77.17, -1.60, 6.79
CIElCh	77, 6.981, 103.291
Yxy	51.8134, 0.3243, 0.3454
Android (android.graphics.Color)	4290887602 (0xFFC1BFB2)
YUV	190.1160, -5.9732, 2.5293
Hunter-Lab	71.9815, -5.3029, 9.5687

Details

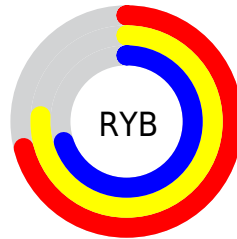
The XYZ color **48.6590, 51.8134, 49.5559** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.3070, 45.9571, 56.9880**, and the grayscale version is **49.0427, 51.5968, 56.1889**.

A 20% lighter version of the original color is **87.1790, 92.6018, 91.1210**, and **23.4376, 25.1466, 23.0205** is the 20% darker color. If you saturate the color by 10%, you get **46.3012, 49.9835, 39.8726**, and if you desaturate by 10%, it is **51.3022, 53.7765, 60.6807**.

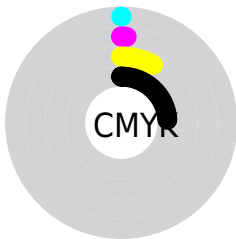
Distribution



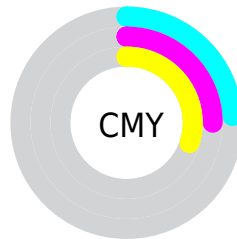
- Red (76%)
- Green (75%)
- Blue (70%)



- Red (71%)
- Yellow (76%)
- Blue (70%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (24%)



- Cyan (24%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6590, 51.8134, 49.5559 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 48.6590, 51.8134, 49.5559 by changing the saturation by 10% instead.

■ 48.6590, 51.8134,
49.5559

■ 48.6590, 51.8134,
49.5559

371.9376,
393.7158, 401.6119

■ 34.5625, 36.8564,
34.6919

■ 87.3886, 92.8560,
90.9060

■ 23.4910, 25.0963,
23.1440

112.7523,
119.7103, 118.2293

■ 15.0791, 16.1488,
14.4936

142.6025,
151.2992, 150.5428

■ 8.9616, 9.6295,
8.3221

177.3045,
188.0071, 188.2650

■ 4.7731, 5.1540,
4.2110

217.2236,
230.2182, 231.8145

■ 2.1481, 2.3379,
1.7418

262.7253,

■ 0.7152, 0.7937,

278.3172, 281.6097

0.3892

314.1748,
332.6882, 338.0694

■ 0.0000, 0.0000,
0.0000

■ 48.6590, 51.8134,
49.5559

■ 48.6590, 51.8134,
49.5559

■ 46.3012, 49.9835,
39.8726

■ 51.3022, 53.7765,
60.6807

■ 44.2132, 48.2755,
31.5679

■ 54.2371, 55.8705,
73.2998

■ 42.3841, 46.6866,
24.5791

■ 57.4755, 58.1017,
87.4676

■ 40.8009, 45.2115,
18.8371

■ 60.9943, 60.4611,
103.0632

■ 39.4492, 43.8444,
14.2671

■ 61.5992, 61.6709,
103.2648

■ 38.3133, 42.5790,
10.7856

■ 62.2142, 62.9009,
103.4698

■ 37.3751, 41.4079,
8.2986

■ 62.8393, 64.1510,
103.6781

■ 36.6137, 40.3226,
6.6958

■ 63.4745, 65.4215,
103.8899

■ 35.9980, 39.3108,
5.8139

■ 64.1200, 66.7125,
104.1050

Harmonies

Analogous

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



49.9892, 51.8134, 49.6602



48.6590, 51.8134, 49.5559



47.5069, 51.8134, 51.2295

Triad

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



48.6590, 51.8134, 49.5559



47.4012, 51.8134, 61.6115



51.7482, 51.8134, 58.5574

Complementary

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



48.6590, 51.8134, 49.5559



44.3070, 45.9571, 56.9880

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.



51.0293, 51.8134, 61.9412



48.6590, 51.8134, 49.5559



48.5123, 51.8134, 63.7583

Square

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



48.6590, 51.8134, 49.5559



46.7896, 51.8134, 58.1239



49.8399, 51.8134, 63.8816



51.7892, 51.8134, 54.7419

Rectangle

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



48.6590, 51.8134, 49.5559



46.9882, 51.8134, 53.1740



49.8399, 51.8134, 63.8816



51.5772, 51.8134, 59.7871

Sweetspot

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



48.6604, 51.8157, 49.5570



89.8033, 94.7887, 99.8707



46.1516, 46.4743, 49.7188



19.2763, 20.3431, 21.4699



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.



48.6604, 51.8157, 49.5570



86.5424, 92.3387, 86.2312



47.7226, 51.9829, 49.6387



10.7954, 11.5223, 10.7169



23.8992, 26.0842, 3.7751



1.0650, 1.1918, 0.1739

Inverse Universe

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



44.3070, 45.9571, 56.9880



77.4562, 80.1111, 101.7409



45.1943, 45.8206, 56.9149



9.6340, 9.9593, 12.6994



6.6774, 3.1113, 33.8052



0.3245, 0.2064, 1.4726

Previews

White Background



This preview shows how the XYZ color 48.6590, 51.8134, 49.5559 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 48.6590, 51.8134, 49.5559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

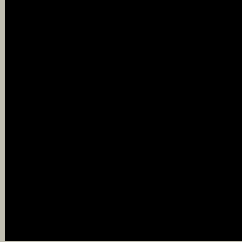
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

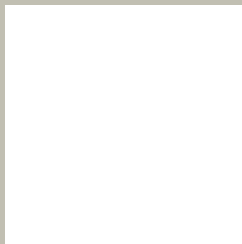
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6590, 51.8134, 49.5559

Background



This preview shows how black text looks on a background with the XYZ color 48.6590, 51.8134, 49.5559.



This preview shows how white text looks on a background with the XYZ color 48.6590, 51.8134,

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

48.6590, 51.8134, 49.5559

Protanopia

49.3752, 51.8716, 49.0048

Deuteranopia

52.7177, 51.6818, 49.8449



Tritanopia

51.4570, 51.6752, 63.1394

Trichromacy



Original Color

48.6590, 51.8134, 49.5559

Protanomaly

49.1142, 51.7370, 48.9926

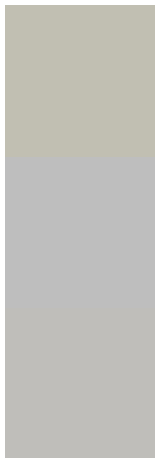
Deuteranomaly

51.3606, 51.9171, 49.9618

Tritanomaly

50.3738, 51.5525, 57.7477

Monochromacy



Original Color

48.6590, 51.8134, 49.5559

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.7622, 51.4484, 53.8149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6590, 51.8134, 49.5559 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(193, 191, 178)` looks like.

```
.text, #text, p{  
    color:rgb(193, 191, 178)  
}
```

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(193, 191, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 191, 178) }
```

Border

The CSS property to change the border of an element to XYZ 48.6590, 51.8134, 49.5559 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(193, 191, 178) }
```


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

```
.border{ border-color:rgb(193, 191, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 191, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 191, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 191, 178);  
box-shadow:4px 4px 4px 4px rgb(193, 191,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6590, 51.8134, 49.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 191, 178) }
```

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

```
.background{ background-color: rgb(193,  
191, 178) }
```

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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