

Converting Colors

XYZ(49.2476, 56.1088, 50.6136)

Have a look what the booklet for
XYZ(49.2476, 56.1088, 50.6136)
contains.

XYZ(49.1590, 56.1166, 50.3601)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.1590, 56.1166,
50.3601)**

Conversions

Conversions Part 1

Format	Color
Hex	B8CBB2
RGB	184, 203, 178
RGB Percent	72%, 80%, 70%
CMY	0.2784, 0.2039, 0.3020
CMYK	0.09, 0.00, 0.12, 0.20
HSL	106°, 19%, 75%
HSV	106°, 12%, 80%
XYZ	49.1590, 56.1166, 50.3601
YIQ	194.4690, -3.2990, -11.8030

Conversions

Conversions Part 2

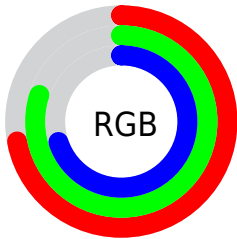
Format	Color
RYB	178, 203, 197
Decimal	12110770
CIELab	79.68, -11.06, 10.30
CIELCh	80, 15.113, 137.056
Yxy	56.1166, 0.3159, 0.3606
Android (android.graphics.Color)	4290300850 (0xFFB8CBB2)
YUV	194.4690, -8.1192, -9.1813
Hunter-Lab	74.9110, -13.9569, 12.5791

Details

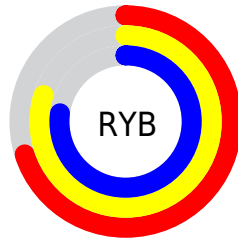
The XYZ color **49.1590, 56.1166, 50.3601** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.7281, 48.0245, 63.1516**, and the grayscale version is **51.6055, 54.2930, 59.1250**.

A 20% lighter version of the original color is **86.5465, 95.9858, 91.8075**, and **23.8092, 27.8009, 23.5133** is the 20% darker color. If you saturate the color by 10%, you get **43.7734, 53.5602, 40.2441**, and if you desaturate by 10%, it is **55.2526, 59.0064, 62.0862**.

Distribution



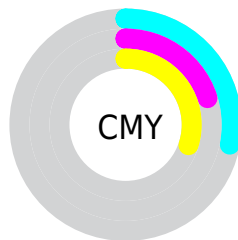
- Red (72%)
- Green (80%)
- Blue (70%)



- Red (70%)
- Yellow (80%)
- Blue (77%)



- Cyan (9%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)



- Cyan (28%)
- Magenta (20%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.1590, 56.1166, 50.3601 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 49.1590, 56.1166, 50.3601 by changing the saturation by 10% instead.

■ 49.1590, 56.1166,
50.3601

■ 49.1590, 56.1166,
50.3601

373.8745,
410.1308, 404.8478

■ 34.9607, 40.2964,
35.3264

■ 88.1269, 99.1750,
92.1100

■ 23.7990, 27.7697,
23.6289

113.6271,
127.1821, 119.6633

■ 15.3085, 18.1522,
14.8489

143.6254,
160.0202, 152.2268

■ 9.1239, 11.0593,
8.5680

178.4870,
198.0738, 190.2192

■ 4.8798, 6.1067,
4.3675

218.5774,
241.7273, 234.0590

■ 2.2110, 2.9101,
1.8291

264.2619,

■ 0.7485, 1.0850,

291.3650, 284.1646

0.4470

315.9058,
347.3713, 340.9547

■ 0.0000, 0.0000,
0.0000

■ 49.1590, 56.1166,
50.3601

■ 49.1590, 56.1166,
50.3601

■ 43.7734, 53.5602,
40.2441

■ 55.2526, 59.0064,
62.0862

■ 39.0650, 51.3179,
31.6643

■ 62.0741, 62.2335,
75.4844

■ 35.0077, 49.3797,
24.5466

■ 69.6487, 65.8112,
90.6182

■ 31.5717, 47.7318,
18.8095

■ 77.3144, 69.4761,
103.9431

■ 28.7249, 46.3597,
14.3632

■ 80.6471, 71.1941,
104.0990

■ 26.4321, 45.2474,
11.1074

■ 24.6541, 44.3772,
8.9272

■ 23.3455, 43.7287,
7.6847

■ 22.6098, 43.3599,
7.1776

Harmonies

Analogous

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



51.6357, 56.1166, 46.4123



49.1590, 56.1166, 50.3601



47.8243, 56.1166, 57.4167

Triad

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



49.1590, 56.1166, 50.3601



52.0345, 56.1166, 78.9722



59.1415, 56.1166, 56.3071

Complementary

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



49.1590, 56.1166, 50.3601



49.7281, 48.0245, 63.1516

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.



59.2582, 56.1166, 64.9406



49.1590, 56.1166, 50.3601



55.0755, 56.1166, 78.6027

Square

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



49.1590, 56.1166, 50.3601



49.4413, 56.1166, 74.2369



57.7456, 56.1166, 73.2708



57.4324, 56.1166, 49.6147

Rectangle

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



49.1590, 56.1166, 50.3601



47.7271, 56.1166, 63.1877



57.7456, 56.1166, 73.2708



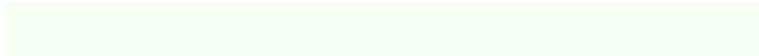
59.3705, 56.1166, 59.0616

Sweetspot

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



49.1605, 56.1190, 50.3613



90.6560, 97.9195, 100.3485



52.5764, 55.7324, 50.1067



19.2320, 20.8773, 21.1455



0.0000, 0.0000, 0.0000



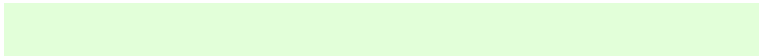
20.3446, 21.4041, 23.3091

Same Dimension

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



49.1605, 56.1190, 50.3613



79.5934, 92.6739, 79.1681



48.3957, 55.6506, 53.6771



11.3159, 12.6647, 11.9276



14.4570, 27.6282, 4.5708



0.8160, 1.4615, 0.2391

Inverse Universe

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



49.7281, 48.0245, 63.1516



80.7420, 76.2776, 105.0752



50.6005, 48.5585, 59.3814



11.4143, 11.2629, 14.1427



15.4610, 7.1780, 36.5269



0.8626, 0.4038, 1.8874

Previews

White Background



This preview shows how the XYZ color 49.1590, 56.1166, 50.3601 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 49.1590, 56.1166, 50.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

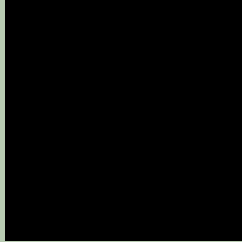
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

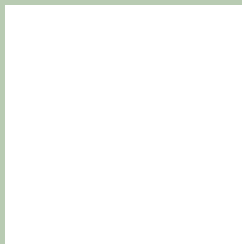
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.1590, 56.1166, 50.3601

Background



This preview shows how black text looks on a background with the XYZ color 49.1590, 56.1166, 50.3601.



This preview shows how white text looks on a background with the XYZ color 49.1590, 56.1166,

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

49.1590, 56.1166, 50.3601

Protanopia

53.1577, 56.1495, 48.5937

Deuteranopia

56.8781, 55.6927, 51.4680



Tritanopia

53.5669, 56.1904, 71.6409

Trichromacy



Original Color

49.1590, 56.1166, 50.3601

Protanomaly

51.5486, 55.9872, 49.1640

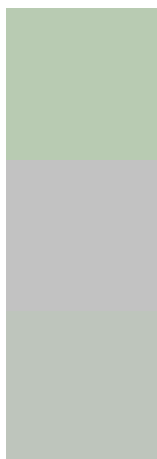
Deuteranomaly

53.7658, 55.7354, 51.1043

Tritanomaly

51.9359, 56.2170, 63.3720

Monochromacy



Original Color

49.1590, 56.1166, 50.3601

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

50.2786, 54.5105, 55.4486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1590, 56.1166, 50.3601 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(184, 203, 178)` looks like.

```
.text, #text, p{  
    color:rgb(184, 203, 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(184, 203, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 203, 178) }
```

Border

The CSS property to change the border of an element to XYZ 49.1590, 56.1166, 50.3601 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(184, 203, 178) }
```


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

```
.border{ border-color:rgb(184, 203, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 203, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 203, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 203, 178);  
box-shadow:4px 4px 4px 4px rgb(184, 203,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1590, 56.1166, 50.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 203, 178) }
```

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

```
.background{ background-color: rgb(184,  
203, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor