

Converting Colors

XYZ(51.4772, 56.4712, 56.9026)

Have a look what the booklet for
XYZ(51.4772, 56.4712, 56.9026)
contains.

XYZ(51.4161, 56.4381, 56.8989)	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(51.4161, 56.4381,
56.8989)**

Conversions

Conversions Part 1

Format	Color
Hex	BEC9BE
RGB	190, 201, 190
RGB Percent	75%, 79%, 75%
CMY	0.2549, 0.2117, 0.2549
CMYK	0.05, 0.00, 0.05, 0.21
HSL	120°, 9%, 77%
HSV	120°, 5%, 79%
XYZ	51.4161, 56.4381, 56.8989
YIQ	196.4570, -3.0250, -5.7530

Conversions

Conversions Part 2

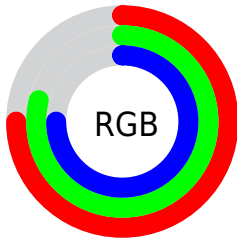
Format	Color
RYB	190, 201, 201
Decimal	12503486
CIELab	79.86, -5.80, 4.19
CIElCh	80, 7.152, 144.167
Yxy	56.4381, 0.3121, 0.3426
Android (android.graphics.Color)	4290693566 (0xFFBEC9BE)
YUV	196.4570, -3.1833, -5.6628
Hunter-Lab	75.1253, -9.3030, 7.6822

Details

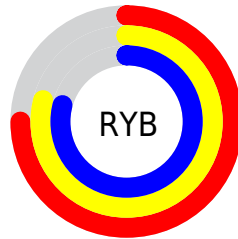
The XYZ color **51.4161, 56.4381, 56.8989** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **53.0455, 53.4629, 62.7847**, and the grayscale version is **52.7649, 55.5128, 60.4534**.

A 20% lighter version of the original color is **90.4006, 97.7667, 101.2950**, and **25.2656, 27.9919, 27.7383** is the 20% darker color. If you saturate the color by 10%, you get **44.6902, 53.2090, 45.8962**, and if you desaturate by 10%, it is **59.1406, 60.1502, 69.5323**.

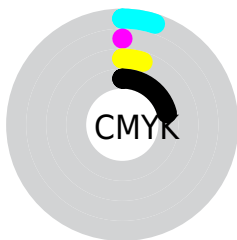
Distribution



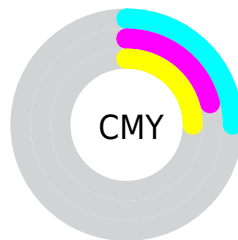
- Red (75%)
- Green (79%)
- Blue (75%)



- Red (75%)
- Yellow (79%)
- Blue (79%)



- Cyan (5%)
- Magenta (0%)
- Yellow (5%)
- Black (21%)



- Cyan (25%)
- Magenta (21%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4161, 56.4381, 56.8989 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 51.4161, 56.4381, 56.8989 by changing the saturation by 10% instead.

■ 51.4161, 56.4381,
56.8989

■ 51.4161, 56.4381,
56.8989

382.5393,
411.3404, 430.5535

■ 36.7623, 40.5543,
40.5153

■ 91.4489, 99.6448,
101.8165

■ 25.1963, 27.9710,
27.6237

117.5585,
127.7365, 131.1876

■ 16.3529, 18.3038,
17.8056

148.2175,
160.6663, 165.7249

■ 9.8666, 11.1683,
10.6425

183.7911,
198.8186, 205.8469

■ 5.3722, 6.1802,
5.7159

224.6447,
242.5778, 251.9723

■ 2.5042, 2.9549,
2.6071

271.1438,

■ 0.8974, 1.1083,

292.3282, 304.5194

0.8961

323.6535,
348.4543, 363.9070

■ 0.0000, 0.0000,
0.0000

■ 51.4161, 56.4381,
56.8989

■ 51.4161, 56.4381,
56.8989

■ 44.6902, 53.2090,
45.8962

■ 59.1406, 60.1502,
69.5323

■ 38.9177, 50.4361,
36.4542

■ 67.8971, 64.3564,
83.8552

■ 34.0569, 48.1012,
28.5034

■ 77.7234, 69.0765,
99.9278

■ 30.0612, 46.1819,
21.9677

■ 80.1777, 70.2554,
103.9426

■ 26.8798, 44.6538,
16.7640

■ 24.4570, 43.4899,
12.8009

■ 22.7295, 42.6601,
9.9753

■ 21.6243, 42.1292,
8.1674

■ 21.0514, 41.8541,
7.2304

Harmonies

Analogous

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



52.5105, 56.4381, 54.4572



51.4161, 56.4381, 56.8989



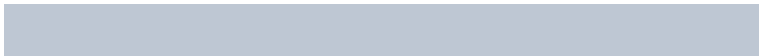
50.9192, 56.4381, 60.6444

Triad

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



51.4161, 56.4381, 56.8989



53.3602, 56.4381, 69.7337



56.2243, 56.4381, 58.2432

Complementary

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



51.4161, 56.4381, 56.8989



53.0455, 53.4629, 62.7847

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.



56.4616, 56.4381, 62.2657



51.4161, 56.4381, 56.8989



54.7911, 56.4381, 69.0204

Square

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



51.4161, 56.4381, 56.8989



52.0286, 56.4381, 68.1482



55.9327, 56.4381, 66.2407



55.2899, 56.4381, 55.2085

Rectangle

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



51.4161, 56.4381, 56.8989



50.9872, 56.4381, 63.4247



55.9327, 56.4381, 66.2407



56.3889, 56.4381, 59.5197

Sweetspot

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



51.4177, 56.4405, 56.9001



92.3882, 98.7214, 104.5461



54.2708, 57.9113, 57.0336



19.8027, 21.1438, 22.4228



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.



51.4177, 56.4405, 56.9001



86.0432, 95.6736, 94.1677



52.0306, 56.6857, 60.1275



10.7776, 12.0224, 11.7622



13.1327, 26.2655, 4.3776



0.6218, 1.2437, 0.2073

Inverse Universe

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



53.0455, 53.4629, 62.7847



89.6176, 89.1353, 107.0891



52.4097, 53.2086, 59.4364



11.2521, 11.1545, 13.4774



21.7739, 10.4591, 35.6148



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 51.4161, 56.4381, 56.8989 looks on a white background.

Color Contrast Check

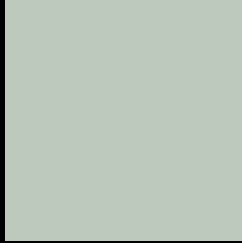
Large Text (above 18pt) WCAG AA × Fail

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 51.4161, 56.4381, 56.8989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

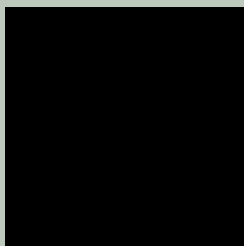
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

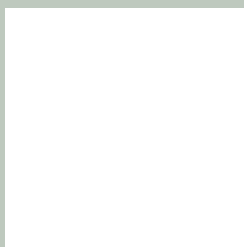
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.4161, 56.4381, 56.8989

Background



This preview shows how black text looks on a background with the XYZ color 51.4161, 56.4381, 56.8989.



This preview shows how white text looks on a background with the XYZ color 51.4161, 56.4381,

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

51.4161, 56.4381, 56.8989

Protanopia

53.9452, 56.4007, 55.6202

Deuteranopia

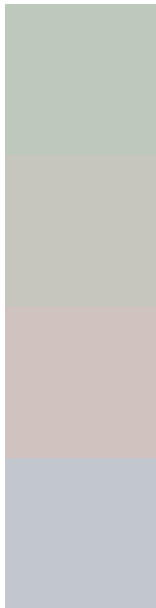
57.3586, 56.1274, 57.6797



Tritanopia

54.4525, 56.6616, 71.0176

Trichromacy



Original Color

51.4161, 56.4381, 56.8989

Protanomaly

52.9326, 56.2044, 56.2028

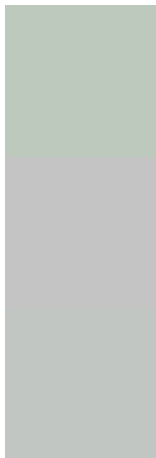
Deuteranomaly

54.9315, 56.2017, 57.2430

Tritanomaly

53.4352, 56.5921, 65.8646

Monochromacy



Original Color

51.4161, 56.4381, 56.8989

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.1798, 55.7525, 59.0501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4161, 56.4381, 56.8989 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(190, 201, 190)` looks like.

```
.text, #text, p{  
    color:rgb(190, 201, 190)  
}
```

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(190, 201, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 201, 190) }
```

Border

The CSS property to change the border of an element to XYZ 51.4161, 56.4381, 56.8989 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(190, 201, 190) }
```


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

```
.border{ border-color:rgb(190, 201, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 201, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 201, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 201, 190);  
box-shadow:4px 4px 4px 4px rgb(190, 201,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4161, 56.4381, 56.8989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 201, 190) }
```

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

```
.background{ background-color: rgb(190,  
201, 190) }
```

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