

Converting Colors

XYZ(56.3907, 68.9310, 52.0936)

Have a look what the booklet for
XYZ(56.3907, 68.9310, 52.0936)
contains.

XYZ(56.3912, 68.9313, 51.9279)	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(56.3912, 68.9313,
51.9279)**

Conversions

Conversions Part 1

Format	Color
Hex	BDE3B1
RGB	189, 227, 177
RGB Percent	74%, 89%, 69%
CMY	0.2588, 0.1098, 0.3059
CMYK	0.17, 0.00, 0.22, 0.11
HSL	106°, 47%, 79%
HSV	106°, 22%, 89%
XYZ	56.3912, 68.9313, 51.9279
YIQ	209.9380, -6.5980, -23.6060

Conversions

Conversions Part 2

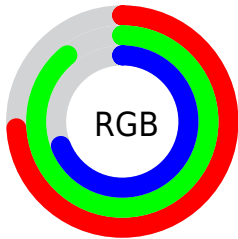
Format	Color
RYB	177, 227, 215
Decimal	12444593
CIELab	86.47, -21.54, 20.41
CIELCh	86, 29.677, 136.539
Yxy	68.9313, 0.3181, 0.3889
Android (android.graphics.Color)	4290634673 (0xFFBDE3B1)
YUV	209.9380, -16.2384, -18.3626
Hunter-Lab	83.0249, -24.0548, 21.0345

Details

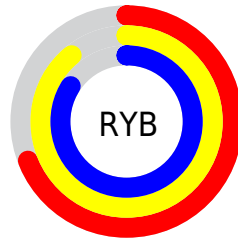
The XYZ color **56.3912, 68.9313, 51.9279** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.6143, 51.4393, 79.5688**, and the grayscale version is **61.3257, 64.5195, 70.2617**.

A 20% lighter version of the original color is **88.4740, 96.9960, 91.1498**, and **28.3823, 36.1112, 24.5430** is the 20% darker color. If you saturate the color by 10%, you get **50.2864, 66.0262, 40.7976**, and if you desaturate by 10%, it is **63.3853, 72.2553, 65.0673**.

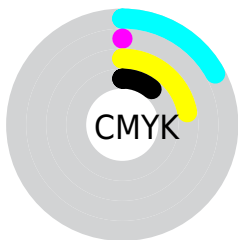
Distribution



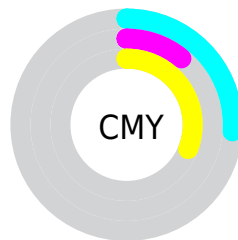
- Red (74%)
- Green (89%)
- Blue (69%)



- Red (69%)
- Yellow (89%)
- Blue (84%)



- Cyan (17%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (26%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.3912, 68.9313, 51.9279 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 56.3912, 68.9313, 51.9279 by changing the saturation by 10% instead.


 56.3912, 68.9313,
51.9279

 56.3912, 68.9313,
51.9279


401.2153,
456.7886, 411.1072

 40.7549, 50.6558,
36.5658


 98.7128, 117.6834,
94.4504

 28.3144, 35.9347,
24.5783

126.1288,
148.9288, 122.4478

 18.7045, 24.3838,
15.5470


158.2021,
185.2663, 155.4941

 11.5597, 15.6186,
9.0533

195.2981,
227.0803, 194.0078

 6.5147, 9.2546,
4.6787

237.7820,
274.7551, 238.4074

 3.2041, 4.9076,
2.0046

286.0193,

 1.2626, 2.1932,

328.6751, 289.1115

0.5581

340.3752,
389.2249, 346.5386

■ 0.1549, 0.7163,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.3912, 68.9313,
51.9279

■ 56.3912, 68.9313,
51.9279

■ 50.2864, 66.0262,
40.7976

■ 63.3853, 72.2553,
65.0673

■ 45.0289, 63.5146,
31.5732

■ 71.2973, 76.0051,
80.3034

■ 40.5817, 61.3817,
24.1489

■ 80.1615, 80.1984,
97.7239

■ 36.9024, 59.6083,
18.4070

■ 86.7604, 83.4209,
106.1368

■ 33.9450, 58.1734,
14.2156

■ 31.6575, 57.0536,
11.4234

■ 29.9804, 56.2221,
9.8483

■ 29.0174, 55.7384,
9.2292

Harmonies

Analogous

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



61.8292, 68.9313, 44.3217



56.3912, 68.9313, 51.9279



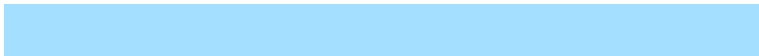
53.4944, 68.9313, 66.5895

Triad

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



56.3912, 68.9313, 51.9279



62.4906, 68.9313, 118.1744



79.0103, 68.9313, 64.7945

Complementary

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



56.3912, 68.9313, 51.9279



57.6143, 51.4393, 79.5688

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.



79.2185, 68.9313, 84.2081



56.3912, 68.9313, 51.9279



69.3489, 68.9313, 117.4644

Square

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



56.3912, 68.9313, 51.9279



56.8462, 68.9313, 105.9908



75.5781, 68.9313, 104.1934



75.0278, 68.9313, 50.8125

Rectangle

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



56.3912, 68.9313, 51.9279



53.2528, 68.9313, 79.4443



75.5781, 68.9313, 104.1934



79.5332, 68.9313, 70.8294

Sweetspot

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



56.3930, 68.9343, 51.9294



87.4918, 96.4203, 94.2354



63.7905, 67.8549, 51.3312



18.5935, 20.5747, 19.9136



0.0000, 0.0000, 0.0000



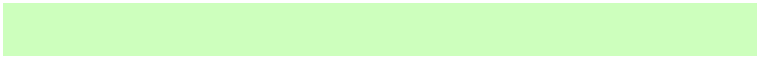
20.3446, 21.4041, 23.3091

Same Dimension

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



56.3930, 68.9343, 51.9294



69.9822, 88.1049, 61.2910



54.8423, 67.9842, 58.6625



14.5115, 16.2553, 15.2772



17.0094, 32.5502, 5.3863



1.3388, 2.4475, 0.4019

Inverse Universe

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



57.6143, 51.4393, 79.5688



71.8101, 61.8526, 102.7617



59.6048, 52.6576, 70.9789



14.6394, 14.4319, 18.1584



18.1852, 8.4407, 43.0539



1.4252, 0.6657, 3.1853

Previews

White Background



This preview shows how the XYZ color 56.3912, 68.9313, 51.9279 looks on a white background.

Color Contrast Check

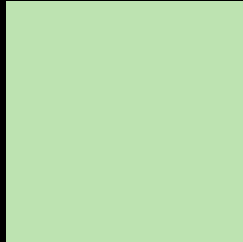
Large Text (above 18pt) WCAG AA × Fail

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 56.3912, 68.9313, 51.9279 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

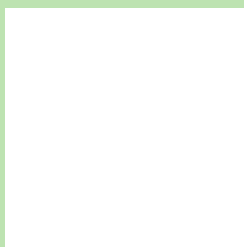
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.3912, 68.9313, 51.9279

Background



This preview shows how black text looks on a background with the XYZ color 56.3912, 68.9313, 51.9279.

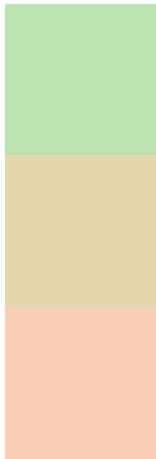


This preview shows how white text looks on a background with the XYZ color 56.3912, 68.9313,

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

56.3912, 68.9313, 51.9279

Protanopia

64.3154, 68.7483, 48.9097

Deuteranopia

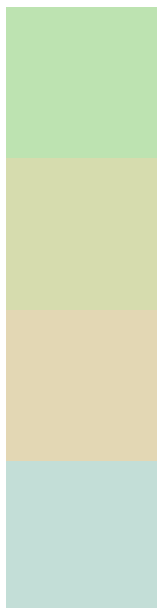
69.9633, 68.5877, 53.2673



Tritanopia

64.0250, 68.8613, 89.2740

Trichromacy



Original Color

56.3912, 68.9313, 51.9279

Protanomaly

60.9647, 68.5385, 50.0605

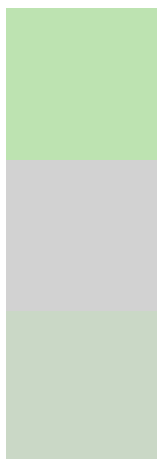
Deuteranomaly

64.2172, 68.2271, 52.9645

Tritanomaly

60.8927, 68.7510, 74.3509

Monochromacy



Original Color

56.3912, 68.9313, 51.9279

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.1060, 65.7455, 63.0010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3912, 68.9313, 51.9279 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(189, 227, 177)` looks like.

```
.text, #text, p{  
    color:rgb(189, 227, 177)  
}
```

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(189, 227, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 227, 177) }
```

Border

The CSS property to change the border of an element to XYZ 56.3912, 68.9313, 51.9279 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(189, 227, 177) }
```


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

```
.border{ border-color:rgb(189, 227, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 227, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 227, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 227, 177);  
box-shadow:4px 4px 4px 4px rgb(189, 227,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3912, 68.9313, 51.9279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 227, 177) }
```

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

```
.background{ background-color: rgb(189,  
227, 177) }
```

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