

# Converting Colors

XYZ(56.8854, 68.1180, 63.5760)

Have a look what the booklet for  
XYZ(56.8854, 68.1180, 63.5760)  
contains.

<b>XYZ(56.8854, 68.1180, 63.5760)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(56.8854, 68.1180,  
63.5760)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E1C6
RGB	184, 225, 198
RGB Percent	72%, 88%, 78%
CMY	0.2784, 0.1176, 0.2235
CMYK	0.18, 0.00, 0.12, 0.12
HSL	140°, 41%, 80%
HSV	140°, 18%, 88%
XYZ	56.8854, 68.1180, 63.5760
YIQ	209.6630, -15.7690, -17.0890

# Conversions

## Conversions Part 2

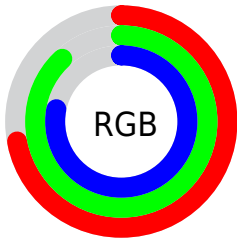
Format	Color
<b>RYB</b>	184, 215, 225
Decimal	12116422
CIELab	86.07, -18.57, 8.81
CIELCh	86, 20.557, 154.619
Yxy	68.1180, 0.3017, 0.3612
Android (android.graphics.Color)	4290306502 (0xFFB8E1C6)
YUV	209.6630, -5.7499, -22.5065
Hunter-Lab	82.5336, -21.4047, 12.1022

# Details

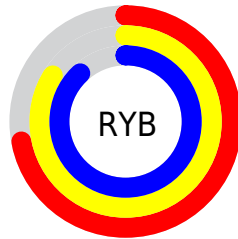
The XYZ color **56.8854, 68.1180, 63.5760** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.9521, 54.9933, 69.0859**, and the grayscale version is **61.0830, 64.2641, 69.9836**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **28.6147, 35.5089, 31.7313** is the 20% darker color. If you saturate the color by 10%, you get **50.2920, 64.9088, 54.7782**, and if you desaturate by 10%, it is **64.5070, 71.8418, 73.2978**.

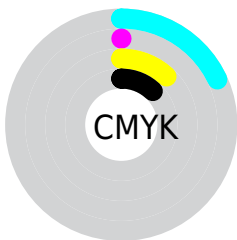
# Distribution



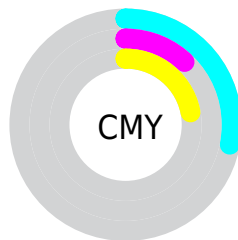
- Red (72%)
- Green (88%)
- Blue (78%)



- Red (72%)
- Yellow (84%)
- Blue (88%)



- Cyan (18%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)




- Cyan (28%)
- Magenta (12%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.8854, 68.1180, 63.5760 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 56.8854, 68.1180, 63.5760 by changing the saturation by 10% instead.





 56.8854, 68.1180,  
63.5760

 56.8854, 68.1180,  
63.5760


403.0409,  
453.9140, 455.8223

 41.1530, 49.9937,  
45.8634


 99.4303, 116.5209,  
111.5937

 28.6269, 35.4084,  
31.7901


126.9735,  
147.5684, 142.7358

 18.9416, 23.9777,  
20.9378


159.1843,  
183.6924, 179.1914

 11.7318, 15.3170,  
12.8877

196.4282,  
225.2773, 221.3792

 6.6322, 9.0422,  
7.2214

239.0704,  
272.7075, 269.7177

 3.2775, 4.7687,  
3.5204


287.4764,

 1.3021, 2.1122,


326.3674, 324.6253


1.3661


342.0114,  
386.6415, 386.5206


 0.1848, 0.6715,  
0.1151


 0.0000, 0.0000,  
0.0000


 56.8854, 68.1180,  
63.5760


 56.8854, 68.1180,  
63.5760


 50.2920, 64.9088,  
54.7782


 64.5070, 71.8418,  
73.2978


 44.6761, 62.1829,  
46.8727

 73.1937, 76.0928,  
83.9648

 39.9908, 59.9185,  
39.8326

 82.9871, 80.8940,  
95.6036

 36.1831, 58.0889,  
33.6282

 86.2165, 82.3330,  
105.9555

■ 33.1944, 56.6646,  
28.2276

■ 30.9585, 55.6121,  
23.5973

■ 29.3982, 54.8924,  
19.7008

■ 28.4046, 54.4501,  
16.4979

■ 28.2600, 54.3864,  
15.9973

# Harmonies

## Analogous

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



59.7235, 68.1180, 54.7685



56.8854, 68.1180, 63.5760



56.1123, 68.1180, 76.2820

# Triad

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



56.8854, 68.1180, 63.5760



65.4778, 68.1180, 103.2116



72.5041, 68.1180, 60.3601

# Complementary

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



56.8854, 68.1180, 63.5760



59.9521, 54.9933, 69.0859

# 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.



74.2186, 68.1180, 72.0952



56.8854, 68.1180, 63.5760



70.0385, 68.1180, 97.6822

# Square

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



56.8854, 68.1180, 63.5760



60.9312, 68.1180, 100.2190



73.2952, 68.1180, 85.8776



68.7128, 68.1180, 53.0761



# Rectangle

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



56.8854, 68.1180, 63.5760



56.8386, 68.1180, 85.5328



73.2952, 68.1180, 85.8776



73.3506, 68.1180, 63.8590

# Sweetspot

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



56.8873, 68.1209, 63.5775



89.1912, 97.1325, 101.7227



62.5390, 71.2125, 55.7974



18.9206, 20.7072, 21.5625



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

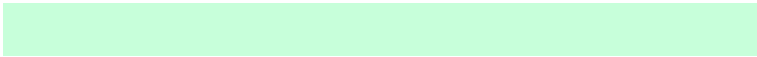


# Same Dimension

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



56.8873, 68.1209, 63.5775



71.9487, 88.7133, 79.6987



59.3713, 69.1145, 76.6582



13.7209, 15.4141, 15.5658



16.3332, 31.3581, 9.4775



1.1731, 2.1900, 0.8726



# Inverse Universe

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



59.9521, 54.9933, 69.0859



76.7582, 68.1080, 88.3394



57.5795, 54.0442, 56.5921



14.0858, 13.8519, 16.2218



21.0382, 10.4823, 17.3988

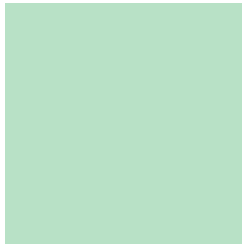


1.4997, 0.7432, 1.4243



# Previews

## White Background



This preview shows how the XYZ color 56.8854, 68.1180, 63.5760 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

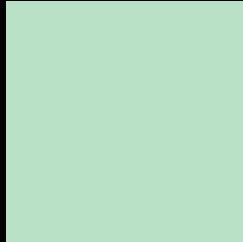
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.8854, 68.1180, 63.5760 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

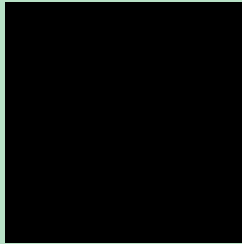
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

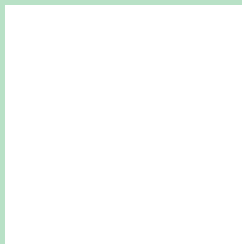
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.8854, 68.1180, 63.5760**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.8854, 68.1180, 63.5760.



This preview shows how white text looks on a background with the XYZ color 56.8854, 68.1180,

63.5760.

# 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

56.8854, 68.1180, 63.5760

### Protanopia

64.3015, 67.7462, 59.5564

### Deuteranopia

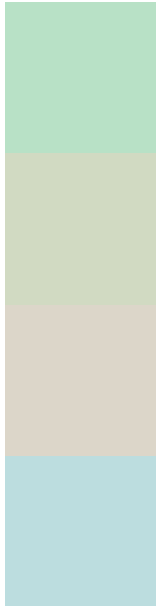
68.9087, 67.4152, 65.2577



## Tritanopia

62.1034, 67.8538, 89.9447

# Trichromacy



**Original Color**

56.8854, 68.1180, 63.5760

**Protanomaly**

61.1035, 67.5932, 60.8652

**Deuteranomaly**

64.1044, 67.5258, 64.9135

**Tritanomaly**

59.9148, 67.7320, 79.7278

# Monochromacy



**Original Color**

56.8854, 68.1180, 63.5760

**Achromatopsia**

61.2578, 64.4480, 70.1838

**Achromatomaly**

59.5284, 65.4746, 67.8929

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.8854, 68.1180, 63.5760 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, 225, 198)` looks like.

```
.text, #text, p{  
    color:rgb(184, 225, 198)  
}
```

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, 225, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 225, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 56.8854, 68.1180, 63.5760 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, 225, 198) }
```



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

```
.border{ border-color:rgb(184, 225, 198) }
```

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

Here you see how a box with a 4 pixel rgb(184, 225, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 225, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 225, 198);  
box-shadow:4px 4px 4px 4px rgb(184, 225,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.8854, 68.1180, 63.5760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 225, 198) }
```

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

```
.background{ background-color: rgb(184,  
225, 198) }
```

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