

# Converting Colors

XYZ(56.6480, 68.0003, 63.5703)

Have a look what the booklet for  
XYZ(56.6480, 68.0003, 63.5703)  
contains.

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# Color

**XYZ(56.6467, 67.9949,  
63.5648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E1C6
RGB	183, 225, 198
RGB Percent	72%, 88%, 78%
CMY	0.2823, 0.1176, 0.2235
CMYK	0.19, 0.00, 0.12, 0.12
HSL	141°, 41%, 80%
HSV	141°, 19%, 88%
XYZ	56.6467, 67.9949, 63.5648
YIQ	209.3640, -16.3650, -17.3010

# Conversions

## Conversions Part 2

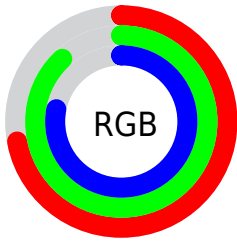
Format	Color
<a href="#">RYB</a>	<a href="#">183, 214, 225</a>
Decimal	<a href="#">12050886</a>
CIELab	<a href="#">86.00, -18.90, 8.72</a>
CIElCh	<a href="#">86, 20.811, 155.242</a>
Yxy	<a href="#">67.9949, 0.3010, 0.3613</a>
Android (android.graphics.Color)	<a href="#">4290240966 (0xFFB7E1C6)</a>
YUV	<a href="#">209.3640, -5.6025, -23.1212</a>
Hunter-Lab	<a href="#">82.4590, -21.6795, 12.0167</a>

# Details

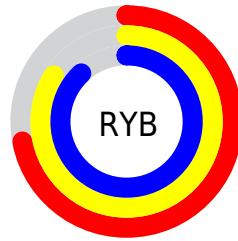
The XYZ color **56.6467, 67.9949, 63.5648** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.6201, 54.5294, 68.3587**, and the grayscale version is **60.8867, 64.0575, 69.7586**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **28.4620, 35.4302, 31.7242** is the 20% darker color. If you saturate the color by 10%, you get **50.1273, 64.8196, 54.9626**, and if you desaturate by 10%, it is **64.1847, 71.6807, 73.0494**.

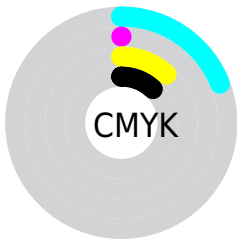
# Distribution



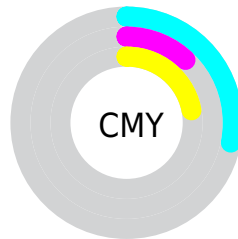
- Red (72%)
- Green (88%)
- Blue (78%)



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



- Cyan (19%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)




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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6467, 67.9949, 63.5648 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 56.6467, 67.9949, 63.5648 by changing the saturation by 10% instead.




 56.6467, 67.9949,  
63.5648

 56.6467, 67.9949,  
63.5648


402.1597,  
453.4779, 455.7806

 40.9607, 49.8936,  
45.8543


 99.0838, 116.3448,  
111.5774

 28.4759, 35.3289,  
31.7831


126.5657,  
147.3623, 142.7166

 18.8270, 23.9163,  
20.9324


158.7101,  
183.4539, 179.1691

 11.6486, 15.2715,  
12.8838

195.8826,  
225.0040, 221.3535

 6.5754, 9.0102,  
7.2188

238.4485,  
272.3971, 269.6883

 3.2419, 4.7478,  
3.5188


286.7730,

 1.2830, 2.1001,


326.0175, 324.5921


1.3653


341.2217,  
386.2497, 386.4833


 0.1704, 0.6647,  
0.1144


 0.0000, 0.0000,  
0.0000


 56.6467, 67.9949,  
63.5648


 56.6467, 67.9949,  
63.5648


 50.1273, 64.8196,  
54.9626


 64.1847, 71.6807,  
73.0494


 44.5760, 62.1236,  
47.2129

 72.7780, 75.8897,  
83.4362

 39.9461, 59.8852,  
40.2909

 82.4680, 80.6447,  
94.7499

 36.1847, 58.0777,  
34.1685

 86.2165, 82.3330,  
105.9555

■ 33.2335, 56.6717,  
28.8164

■ 31.0262, 55.6337,  
24.2030

■ 29.4856, 54.9244,  
20.2946

■ 28.4977, 54.4858,  
17.0536

■ 28.3875, 54.4374,  
16.6693

# Harmonies

## Analogous

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



59.4750, 67.9949, 54.5774



56.6467, 67.9949, 63.5648



55.9125, 67.9949, 76.4622

# Triad

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



56.6467, 67.9949, 63.5648



65.4692, 67.9949, 103.4123



72.4156, 67.9949, 59.8812

# Complementary

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



56.6467, 67.9949, 63.5648



59.6201, 54.5294, 68.3587

# 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.



74.2032, 67.9949, 71.6595



56.6467, 67.9949, 63.5648



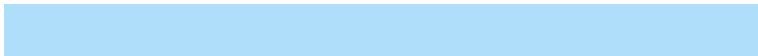
70.0685, 67.9949, 97.6413

# Square

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



56.6467, 67.9949, 63.5648



60.8596, 67.9949, 100.5578



73.3239, 67.9949, 85.5958



68.5470, 67.9949, 52.6412



# Rectangle

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



56.6467, 67.9949, 63.5648



56.6767, 67.9949, 85.8179



73.3239, 67.9949, 85.5958



73.2882, 67.9949, 63.3830

# Sweetspot

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



56.6486, 67.9978, 63.5663



88.0999, 96.5954, 100.5189



62.1388, 71.0182, 55.2335



18.7018, 20.5994, 21.3256



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

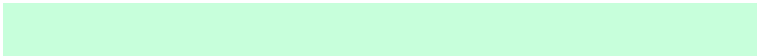


# Same Dimension

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



56.6486, 67.9978, 63.5663



72.0642, 88.7595, 80.3066



59.2026, 69.0194, 77.0156



13.7300, 15.4177, 15.6133



16.4081, 31.3881, 9.8722



1.1790, 2.1923, 0.9038



# Inverse Universe

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



59.6201, 54.5294, 68.3587



76.6309, 68.0570, 87.6687



57.2048, 53.5632, 55.6400



14.0764, 13.8482, 16.1724



20.8803, 10.4191, 16.5674

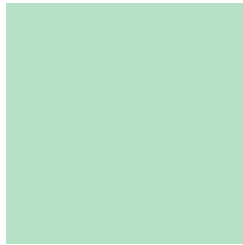


1.4895, 0.7391, 1.3707



# Previews

## White Background



This preview shows how the XYZ color 56.6467, 67.9949, 63.5648 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

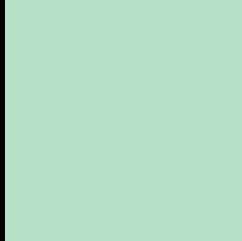
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6467, 67.9949, 63.5648 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

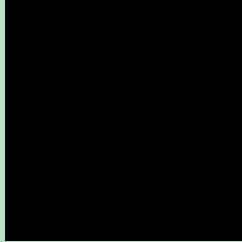
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

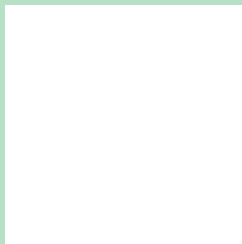
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 56.6467, 67.9949, 63.5648

## Background



This preview shows how black text looks on a background with the XYZ color 56.6467, 67.9949, 63.5648.



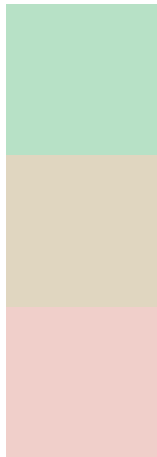
This preview shows how white text looks on a background with the XYZ color 56.6467, 67.9949, 63.5648.

63.5648.

# 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

56.6467, 67.9949, 63.5648

### Protanopia

64.3015, 67.7462, 59.5564

### Deuteranopia

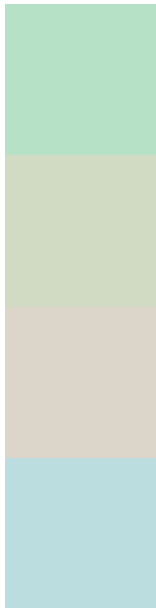
68.9087, 67.4152, 65.2577



## Tritanopia

61.8528, 67.7246, 89.9329

# Trichromacy



## Original Color

56.6467, 67.9949, 63.5648

## Protanomaly

61.1035, 67.5932, 60.8652

## Deuteranomaly

63.8026, 67.3702, 64.8993

## Tritanomaly

59.6693, 67.6054, 79.7163

# Monochromacy



## Original Color

56.6467, 67.9949, 63.5648

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

59.1393, 65.2880, 67.2425

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6467, 67.9949, 63.5648 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(183, 225, 198)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 225, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 225, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6467, 67.9949, 63.5648 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(183, 225, 198) }
```



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

```
.border{ border-color:rgb(183, 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(183, 225, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 225, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 225, 198); box-shadow:4px 4px 4px 4px rgb(183, 225, 198) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6467, 67.9949, 63.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 225, 198) }
```

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

```
.background{ background-color: rgb(183,  
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](#).

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