

# Converting Colors

XYZ(56.5301, 68.4777, 67.0394)

Have a look what the booklet for  
XYZ(56.5301, 68.4777, 67.0394)  
contains.

<b>XYZ(56.6087, 68.7149, 66.7796)</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(56.6087, 68.7149,  
66.7796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E3CB
RGB	178, 227, 203
RGB Percent	70%, 89%, 80%
CMY	0.3020, 0.1098, 0.2039
CMYK	0.22, 0.00, 0.11, 0.11
HSL	151°, 47%, 79%
HSV	151°, 22%, 89%
XYZ	56.6087, 68.7149, 66.7796
YIQ	209.6130, -21.5000, -17.8520

# Conversions

## Conversions Part 2

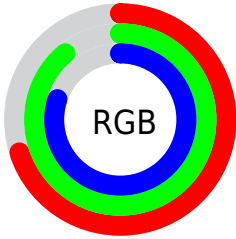
Format	Color
<b>RYB</b>	178, 210, 227
Decimal	11723723
CIELab	86.36, -20.54, 6.56
CIELCh	86, 21.562, 162.281
Yxy	68.7149, 0.2947, 0.3577
Android (android.graphics.Color)	4289913803 (0xFFB2E3CB)
YUV	209.6130, -3.2602, -27.7246
Hunter-Lab	82.8945, -23.1675, 10.2622

# Details

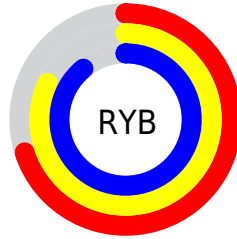
The XYZ color **56.6087, 68.7149, 66.7796** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.2621, 52.4378, 62.9310**, and the grayscale version is **61.0372, 64.2159, 69.9311**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **28.2999, 35.5808, 33.8100** is the 20% darker color. If you saturate the color by 10%, you get **50.5473, 65.7397, 59.8258**, and if you desaturate by 10%, it is **63.6309, 72.1782, 74.2775**.

# Distribution



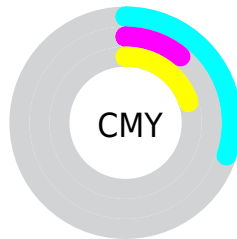
- Red (70%)
- Green (89%)
- Blue (80%)



- Red (70%)
- Yellow (82%)
- Blue (89%)



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



- Cyan (30%)
- Magenta (11%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.6087, 68.7149, 66.7796 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 56.6087, 68.7149, 66.7796 by changing the saturation by 10% instead.



■ 56.6087, 68.7149,  
66.7796

■ 56.6087, 68.7149,  
66.7796

402.0194,  
456.0248, 467.6400

■ 40.9301, 50.4796,  
48.4451

■ 99.0287, 117.3743,  
116.2422

■ 28.4519, 35.7946,  
33.8170

126.5007,  
148.5671, 148.2073

■ 18.8088, 24.2756,  
22.4768

158.6346,  
184.8479, 185.5531

■ 11.6354, 15.5382,  
14.0060

195.7957,  
226.6010, 228.6980

■ 6.5663, 9.1980,  
7.9861

238.3494,  
274.2108, 278.0606

■ 3.2363, 4.8705,  
3.9984


286.6610,


■ 1.2799, 2.1715,


328.0618, 334.0594

1.6245


341.0959,  
388.5384, 397.1130


 0.1681, 0.7044,  
0.3082


 0.0000, 0.0000,  
0.0000


 56.6087, 68.7149,  
66.7796


 56.6087, 68.7149,  
66.7796


 50.5473, 65.7397,  
59.8258


 63.6309, 72.1782,  
74.2775


 45.3965, 63.2213,  
53.3989

 71.6495, 76.1421,  
82.3268

 41.1104, 61.1381,  
47.4878

 80.7053, 80.6293,  
90.9406

 37.6363, 59.4633,  
42.0788

 85.5729, 82.9457,  
99.8838

■ 34.9156, 58.1668,  
37.1577

■ 86.7603, 83.4207,  
106.1368

■ 32.8812, 57.2144,  
32.7096

■ 31.4531, 56.5650,  
28.7181

■ 30.6117, 56.1972,  
25.6991

# Harmonies

## Analogous

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



59.0792, 68.7149, 56.3093



56.6087, 68.7149, 66.7796



56.3953, 68.7149, 80.8047

# Triad

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



56.6087, 68.7149, 66.7796



67.3694, 68.7149, 104.9391



72.6547, 68.7149, 57.8450

# Complementary

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



56.6087, 68.7149, 66.7796



58.2621, 52.4378, 62.9310

# 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.



75.1211, 68.7149, 69.1362



56.6087, 68.7149, 66.7796



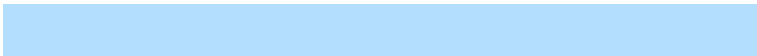
71.9673, 68.7149, 96.9960

# Square

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



56.6087, 68.7149, 66.7796



62.4405, 68.7149, 104.0977



74.8633, 68.7149, 83.4787



68.2691, 68.7149, 51.6197



# Rectangle

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



56.6087, 68.7149, 66.7796



57.5463, 68.7149, 90.4406



74.8633, 68.7149, 83.4787



73.7455, 68.7149, 61.1082

# Sweetspot

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



56.6106, 68.7178, 66.7811



88.4601, 96.7395, 102.4156



60.0000, 70.7820, 52.6206



18.7868, 20.6334, 21.7735



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

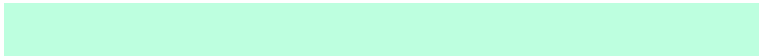


# Same Dimension

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



56.6106, 68.7178, 66.7811



69.9271, 87.6026, 82.6997



59.6967, 69.9522, 83.0321



14.4947, 16.2113, 16.8696



17.9112, 32.7966, 15.2987



1.3705, 2.4423, 1.3776



# Inverse Universe

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



58.2621, 52.4378, 62.9310



72.4477, 62.7561, 76.8241



55.6369, 51.3877, 49.1070



14.6698, 14.4851, 16.4613



20.2132, 10.2195, 10.0174

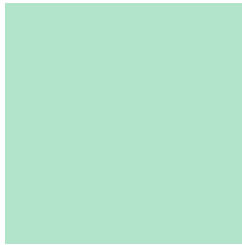


1.5405, 0.7739, 0.9868



# Previews

## White Background



This preview shows how the XYZ color 56.6087, 68.7149, 66.7796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

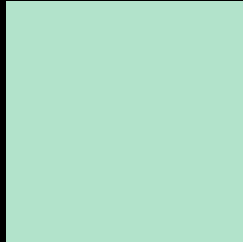
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.6087, 68.7149, 66.7796 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

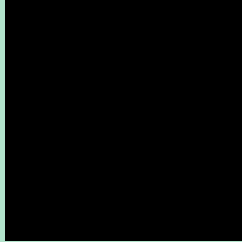
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

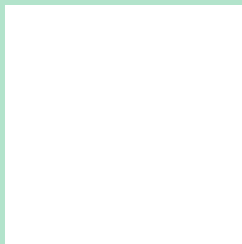
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.6087, 68.7149, 66.7796**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.6087, 68.7149, 66.7796.



This preview shows how white text looks on a background with the XYZ color 56.6087, 68.7149,



# 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

56.6087, 68.7149, 66.7796

### Protanopia

65.0047, 68.4337, 62.0075

### Deuteranopia

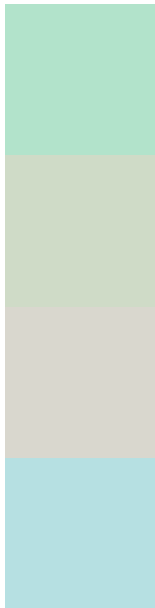
69.4150, 67.9675, 68.4920



## Tritanopia

61.7088, 68.7888, 91.6865

# Trichromacy



## Original Color

56.6087, 68.7149, 66.7796

## Protanomaly

61.3724, 68.0520, 63.9335

## Deuteranomaly

64.0563, 67.8088, 68.1048

## Tritanomaly

59.6745, 68.7474, 82.0759

# Monochromacy



## Original Color

56.6087, 68.7149, 66.7796

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

59.1071, 65.6225, 68.5826

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.6087, 68.7149, 66.7796 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(178, 227, 203)` looks like.

```
.text, #text, p{  
    color:rgb(178, 227, 203)  
}
```

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(178, 227, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 227, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 56.6087, 68.7149, 66.7796 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(178, 227, 203) }
```



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

```
.border{ border-color:rgb(178, 227, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 227, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 227, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 227, 203);  
box-shadow:4px 4px 4px 4px rgb(178, 227,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.6087, 68.7149, 66.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 227, 203) }
```

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

```
.background{ background-color: rgb(178,  
227, 203) }
```

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