

# Converting Colors

XYZ(55.8476, 67.5990, 59.3740)

Have a look what the booklet for  
XYZ(55.8476, 67.5990, 59.3740)  
contains.

<b>XYZ(55.8576, 67.6793, 59.4096)</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(55.8576, 67.6793,  
59.4096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E1BF
RGB	183, 225, 191
RGB Percent	72%, 88%, 75%
CMY	0.2823, 0.1176, 0.2510
CMYK	0.19, 0.00, 0.15, 0.12
HSL	131°, 41%, 80%
HSV	131°, 19%, 88%
XYZ	55.8576, 67.6793, 59.4096
YIQ	208.5660, -14.1180, -19.4780

# Conversions

## Conversions Part 2

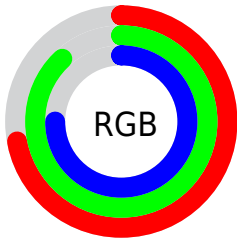
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">183, 218, 225</a>
Decimal	<a href="#">12050879</a>
CIELab	<a href="#">85.85, -20.18, 12.17</a>
CIELCh	<a href="#">86, 23.564, 148.912</a>
Yxy	<a href="#">67.6793, 0.3053, 0.3699</a>
Android (android.graphics.Color)	<a href="#">4290240959 (0xFFB7E1BF)</a>
YUV	<a href="#">208.5660, -8.6600, -22.4214</a>
Hunter-Lab	<a href="#">82.2674, -22.7708, 14.7708</a>

# Details

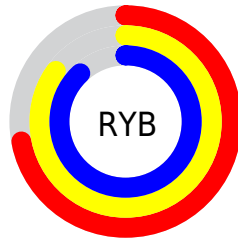
The XYZ color **55.8576, 67.6793, 59.4096** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.5116, 54.8858, 73.0533**, and the grayscale version is **60.3843, 63.5290, 69.1831**.

A 20% lighter version of the original color is **88.1451, 96.5861, 101.9929**, and **28.0154, 35.2516, 29.3724** is the 20% darker color. If you saturate the color by 10%, you get **49.0463, 64.3873, 49.2702**, and if you desaturate by 10%, it is **63.7775, 71.5179, 70.9052**.

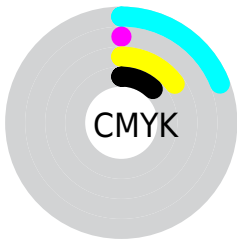
# Distribution



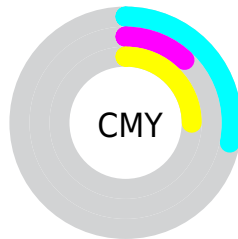
- Red (72%)
- Green (88%)
- Blue (75%)



- Red (72%)
- Yellow (85%)
- Blue (88%)



- Cyan (19%)
- Magenta (0%)
- Yellow (15%)
- Black (12%)




- Cyan (28%)
- Magenta (12%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8576, 67.6793, 59.4096 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 55.8576, 67.6793, 59.4096 by changing the saturation by 10% instead.





 55.8576, 67.6793,  
59.4096

 55.8576, 67.6793,  
59.4096


399.2384,  
452.3589, 440.1622

 40.3253, 49.6369,  
42.5208

 97.9374, 115.8932,  
105.5077

 27.9776, 35.1250,  
29.1807

125.2155,  
146.8335, 135.5541

 18.4492, 23.7591,  
18.9708


157.1397,  
182.8419, 170.8233

 11.3746, 15.1551,  
11.4726

194.0753,  
224.3028, 211.7340

 6.3885, 8.9283,  
6.2675

236.3876,  
271.6005, 258.7047

 3.1256, 4.6944,  
2.9370


284.4420,

 1.2205, 2.0691,


325.1195, 312.1540

1.0626


338.6038,  
385.2442, 372.5003

 0.1225, 0.6472,  
0.0000


 0.0000, 0.0000,  
0.0000


 55.8576, 67.6793,  
59.4096


 55.8576, 67.6793,  
59.4096


 49.0463, 64.3873,  
49.2702


 63.7775, 71.5179,  
70.9052


 43.2883, 61.6086,  
40.4324

 72.8469, 75.9173,  
83.7996

 38.5321, 59.3196,  
32.8449

 83.1116, 80.9022,  
98.1395

 34.7192, 57.4916,  
26.4511

 86.2165, 82.3331,  
105.9555

■ 31.7852, 56.0925,  
21.1900

■ 29.6575, 55.0862,  
16.9951

■ 28.2510, 54.4306,  
13.7931

■ 27.4432, 54.0641,  
11.5003

■ 27.3600, 54.0264,  
11.2579

# Harmonies

## Analogous

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



59.4478, 67.6793, 50.6530



55.8576, 67.6793, 59.4096



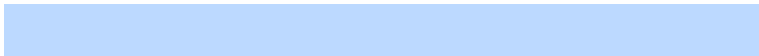
54.5161, 67.6793, 73.1295

# Triad

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



55.8576, 67.6793, 59.4096



64.1307, 67.6793, 107.5106



73.8276, 67.6793, 60.2586

# Complementary

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



55.8576, 67.6793, 59.4096



60.5116, 54.8858, 73.0533

# 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.



75.2499, 67.6793, 74.2559



55.8576, 67.6793, 59.4096



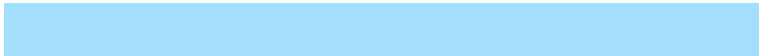
69.4664, 67.6793, 102.8307

# Square

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



55.8576, 67.6793, 59.4096



59.1252, 67.6793, 102.1289



73.6123, 67.6793, 90.0958



69.8256, 67.6793, 51.0930



# Rectangle

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



55.8576, 67.6793, 59.4096



55.0167, 67.6793, 83.7312



73.6123, 67.6793, 90.0958



74.6328, 67.6793, 64.4878

# Sweetspot

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



55.8594, 67.6822, 59.4111



87.7129, 96.4406, 98.4808



64.1797, 72.0704, 55.3288



18.6105, 20.5629, 20.8451



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

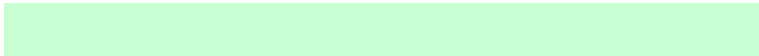


# Same Dimension

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



55.8594, 67.6822, 59.4111



70.8679, 88.2809, 74.0071



58.3016, 68.6590, 72.2713



13.6349, 15.3797, 15.1127



15.7973, 31.1438, 6.6556



1.1260, 2.1711, 0.6247



# Inverse Universe

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



60.5116, 54.8858, 73.0533



78.0174, 68.6116, 94.9700



57.9849, 53.8751, 59.7480



14.1772, 13.8885, 16.7033



22.8085, 11.1904, 26.7212

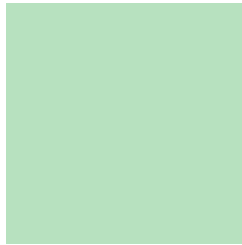


1.6101, 0.7873, 2.0059



# Previews

## White Background



This preview shows how the XYZ color 55.8576, 67.6793, 59.4096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

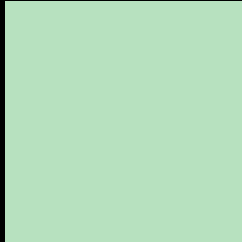
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8576, 67.6793, 59.4096 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

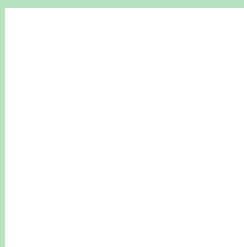
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 55.8576, 67.6793, 59.4096**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8576, 67.6793, 59.4096.



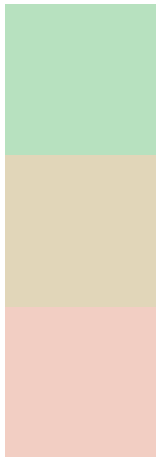
This preview shows how white text looks on a background with the XYZ color 55.8576, 67.6793,

59.4096.

# 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

55.8576, 67.6793, 59.4096

### Protanopia

63.8549, 67.6035, 55.5822

### Deuteranopia

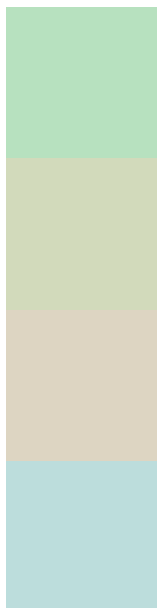
68.5396, 66.9600, 60.9419



## Tritanopia

61.9577, 67.7955, 89.1772

# Trichromacy



## Original Color

55.8576, 67.6793, 59.4096

## Protanomaly

60.6194, 67.4323, 56.8345

## Deuteranomaly

63.3506, 66.8557, 60.6044

## Tritanomaly

59.5138, 67.5716, 77.6161

# Monochromacy



## Original Color

55.8576, 67.6793, 59.4096

## Achromatopsia

60.6036, 63.7597, 69.4343

## Achromatomaly

58.7805, 65.1445, 65.3532

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8576, 67.6793, 59.4096 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(183, 225, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 225, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8576, 67.6793, 59.4096 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, 191) }
```



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

```
.border{ border-color:rgb(183, 225, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 225, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 225, 191);  
box-shadow:4px 4px 4px 4px rgb(183, 225,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8576, 67.6793, 59.4096 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, 191) }
```

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

```
.background{ background-color: rgb(183,  
225, 191) }
```

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