

# Converting Colors

XYZ(55.8512, 70.4088, 58.4073)

Have a look what the booklet for  
XYZ(55.8512, 70.4088, 58.4073)  
contains.

<b>XYZ(55.8382, 70.5742, 58.2561)</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(55.8382, 70.5742,  
58.2561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0E8BC
RGB	176, 232, 188
RGB Percent	69%, 91%, 74%
CMY	0.3098, 0.0902, 0.2627
CMYK	0.24, 0.00, 0.19, 0.09
HSL	133°, 55%, 80%
HSV	133°, 24%, 91%
XYZ	55.8382, 70.5742, 58.2561
YIQ	210.2400, -19.2520, -25.5560

# Conversions

## Conversions Part 2

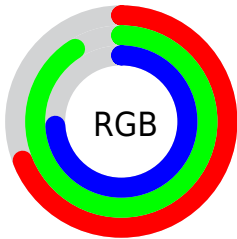
Format	Color
<a href="#">RYB</a>	<a href="#">176, 222, 232</a>
Decimal	<a href="#">11593916</a>
CIELab	<a href="#">87.28, -26.40, 15.70</a>
CIElCh	<a href="#">87, 30.716, 149.259</a>
Yxy	<a href="#">70.5742, 0.3024, 0.3822</a>
Android (android.graphics.Color)	<a href="#">4289783996</a> ( <a href="#">0xFFB0E8BC</a> )
YUV	<a href="#">210.2400, -10.9643, -30.0285</a>
Hunter-Lab	<a href="#">84.0085, -28.3706, 17.6910</a>

# Details

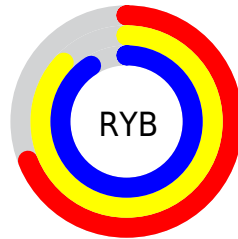
The XYZ color **55.8382, 70.5742, 58.2561** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.7248, 53.3754, 74.7625**, and the grayscale version is **61.4966, 64.6992, 70.4575**.

A 20% lighter version of the original color is **85.3678, 95.2075, 99.4655**, and **27.9245, 36.9375, 28.5795** is the 20% darker color. If you saturate the color by 10%, you get **49.1915, 67.3626, 48.3272**, and if you desaturate by 10%, it is **63.6334, 74.3532, 69.5375**.

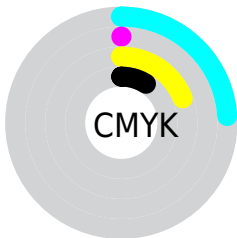
# Distribution



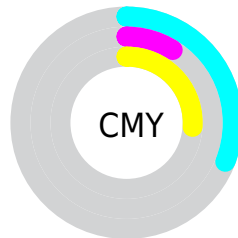
- Red (69%)
- Green (91%)
- Blue (74%)



- Red (69%)
- Yellow (87%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.8382, 70.5742, 58.2561 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 55.8382, 70.5742, 58.2561 by changing the saturation by 10% instead.




 55.8382, 70.5742,  
58.2561

 55.8382, 70.5742,  
58.2561


399.1664,  
462.5636, 435.7644

 40.3097, 51.9948,  
41.5985


 97.9092, 120.0272,  
103.8142

 27.9654, 37.0009,  
28.4638


125.1823,  
151.6697, 133.5517

 18.4399, 25.2082,  
18.4335


157.1011,  
188.4352, 168.4863

 11.3679, 16.2322,  
11.0890

194.0308,  
230.7083, 209.0366

 6.3839, 9.6886,  
6.0118

236.3368,  
278.8732, 255.6210

 3.1228, 5.1930,  
2.7834


284.3845,

 1.2190, 2.3609,


333.3145, 308.6580


0.9851


338.5393,  
394.4165, 368.5663


 0.1213, 0.8057,  
0.0000


 0.0000, 0.0000,  
0.0000

 55.8382, 70.5742,  
58.2561


 55.8382, 70.5742,  
58.2561

 49.1915, 67.3626,  
48.3272


 63.6334, 74.3532,  
69.5375


 43.6329, 64.6823,  
39.6954

 72.6226, 78.7160,  
82.2146

 39.1049, 62.5069,  
32.3084

 82.8556, 83.6894,  
96.3347

 35.5423, 60.8038,  
26.1085

 88.1480, 86.1960,  
106.5993

■ 32.8724, 59.5370,  
21.0334

■ 31.0115, 58.6647,  
17.0152

■ 29.8591, 58.1366,  
13.9781

■ 29.4276, 57.9438,  
12.6187

# Harmonies

## Analogous

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



60.5184, 70.5742, 47.1095



55.8382, 70.5742, 58.2561



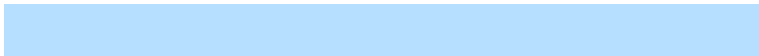
54.1304, 70.5742, 76.3303

# Triad

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



55.8382, 70.5742, 58.2561



66.8993, 70.5742, 123.8592



79.9363, 70.5742, 58.9997

# Complementary

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



55.8382, 70.5742, 58.2561



61.7248, 53.3754, 74.7625

# 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.



81.9427, 70.5742, 77.3586



55.8382, 70.5742, 58.2561



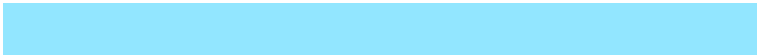
74.0967, 70.5742, 117.0191

# Square

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



55.8382, 70.5742, 58.2561



60.2285, 70.5742, 116.3399



79.7346, 70.5742, 99.0151



74.4295, 70.5742, 47.4815



# Rectangle

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



55.8382, 70.5742, 58.2561



54.8058, 70.5742, 90.7203



79.7346, 70.5742, 99.0151



81.0593, 70.5742, 64.4589

# Sweetspot

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



55.8401, 70.5772, 58.2577



86.6086, 95.8997, 97.1452



66.4538, 76.1921, 52.2791



18.3896, 20.4546, 20.5850



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

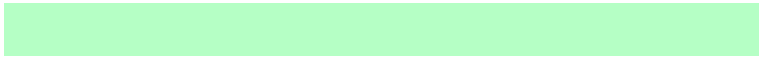


# Same Dimension

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



55.8401, 70.5772, 58.2577



64.8939, 85.3763, 65.8199



59.0548, 71.8630, 75.1858



14.3151, 16.1395, 15.9240



16.3740, 32.1817, 7.2036



1.2438, 2.3916, 0.7105



# Inverse Universe

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



61.7248, 53.3754, 74.7625



73.3768, 60.5692, 89.6043



58.4095, 52.0493, 57.3046



14.8559, 14.5596, 17.4416



23.2272, 11.4251, 25.8891

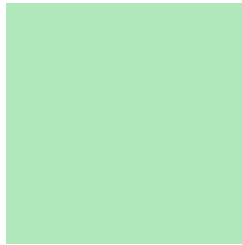


1.7495, 0.8575, 2.0872



# Previews

## White Background



This preview shows how the XYZ color 55.8382, 70.5742, 58.2561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

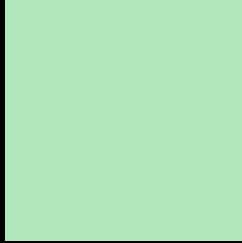
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.8382, 70.5742, 58.2561 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 55.8382, 70.5742, 58.2561**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.8382, 70.5742, 58.2561.



This preview shows how white text looks on a background with the XYZ color 55.8382, 70.5742,

58.2561.

# 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

55.8382, 70.5742, 58.2561

### Protanopia

65.7865, 69.7849, 53.7186

### Deuteranopia

71.3836, 69.8999, 60.1818



## Tritanopia

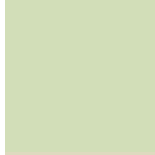
63.2019, 70.7003, 94.3198

# Trichromacy



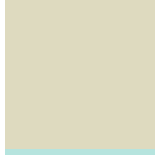
## Original Color

55.8382, 70.5742, 58.2561



## Protanomaly

61.3513, 69.4049, 55.5103



## Deuteranomaly

64.5996, 69.4340, 59.2876



## Tritanomaly

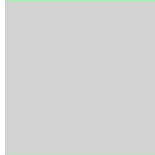
60.2196, 70.7058, 79.5809

# Monochromacy



## Original Color

55.8382, 70.5742, 58.2561



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

59.0208, 66.4128, 65.5853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.8382, 70.5742, 58.2561 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(176, 232, 188)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 188)  
}
```

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(176, 232, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 55.8382, 70.5742, 58.2561 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(176, 232, 188) }
```



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

```
.border{ border-color:rgb(176, 232, 188) }
```

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

Here you see how a box with a 4 pixel rgb(176, 232, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 232, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 232, 188);  
box-shadow:4px 4px 4px 4px rgb(176, 232,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.8382, 70.5742, 58.2561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 232, 188) }
```

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

```
.background{ background-color: rgb(176,  
232, 188) }
```

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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