

# Converting Colors

XYZ(50.8984, 65.5252, 59.2552)

Have a look what the booklet for  
XYZ(50.8984, 65.5252, 59.2552)  
contains.

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# Color

**XYZ(50.8984, 65.5252,  
59.2552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE2BF
RGB	159, 226, 191
RGB Percent	62%, 89%, 75%
CMY	0.3765, 0.1137, 0.2510
CMYK	0.30, 0.00, 0.15, 0.11
HSL	149°, 54%, 75%
HSV	149°, 30%, 89%
XYZ	50.8984, 65.5252, 59.2552
YIQ	201.9770, -28.6970, -25.0890

# Conversions

## Conversions Part 2

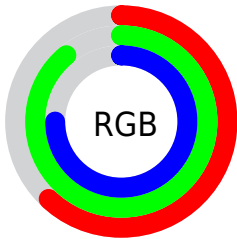
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 204, 226
Decimal	10478271
CIELab	84.75, -28.25, 10.43
CIELCh	85, 30.115, 159.745
Yxy	65.5252, 0.2897, 0.3730
Android (android.graphics.Color)	4288668351 (0xFF9FE2BF)
YUV	201.9770, -5.4117, -37.6908
Hunter-Lab	80.9476, -29.4208, 13.2619

# Details

The XYZ color **50.8984, 65.5252, 59.2552** is a light color, and the websafe version is hex **99CC99**, and the color name is **sea foam green**. A complement of this color would be **53.5020, 44.8617, 56.8810**, and the grayscale version is **56.1716, 59.0969, 64.3566**.

A 20% lighter version of the original color is **80.5728, 92.6825, 101.6386**, and **24.7879, 33.5877, 29.2214** is the 20% darker color. If you saturate the color by 10%, you get **45.5727, 62.9256, 52.4953**, and if you desaturate by 10%, it is **57.1519, 68.5945, 66.6081**.

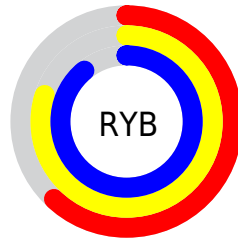
# Distribution



Red (62%)

Green (89%)

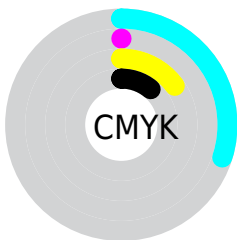
Blue (75%)



Red (62%)

Yellow (80%)

Blue (89%)

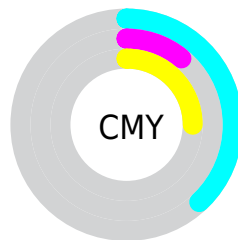


Cyan (30%)

Magenta (0%)

Yellow (15%)

Black (11%)



Cyan (38%)

Magenta (11%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8984, 65.5252, 59.2552 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 50.8984, 65.5252, 59.2552 by changing the saturation by 10% instead.





 50.8984, 65.5252,  
59.2552


 50.8984, 65.5252,  
59.2552


380.5631,  
444.6769, 439.5752

 36.3485, 47.8871,  
42.3972


 90.6885, 112.8046,  
105.2812

 24.8748, 33.7375,  
29.0846


 116.6593,  
143.2147, 135.2864

 16.1120, 22.6920,  
18.8987

147.1678,  
178.6508, 170.5110

 9.6948, 14.3662,  
11.4210

182.5794,  
219.4975, 211.3737

 5.2578, 8.3758,  
6.2330

223.2593,  
266.1390, 258.2929

 2.4356, 4.3364,  
2.9162

269.5730,

 0.8629, 1.8634,

318.9598, 311.6872

1.0520

321.8858,  
378.3443, 371.9751

■ 0.0000, 0.5263,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 50.8984, 65.5252,  
59.2552

■ 50.8984, 65.5252,  
59.2552

■ 45.5727, 62.9256,  
52.4953

■ 57.1519, 68.5945,  
66.6081

■ 41.1222, 60.7636,  
46.3090

■ 64.3714, 72.1477,  
74.5641

■ 37.4971, 59.0156,  
40.6820

■ 72.5995, 76.2082,  
83.1386

■ 34.6404, 57.6525,  
35.5978

■ 81.8748, 80.7956,  
92.3448

■ 32.4870, 56.6410,  
31.0391

■ 85.6984, 82.5594,  
101.8901

■ 30.9601, 55.9420,  
26.9870

■ 86.4876, 82.8751,  
106.0459

■ 29.9333, 55.4906,  
23.4198

■ 29.9010, 55.4765,  
23.3021

# Harmonies

## Analogous

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



54.3579, 65.5252, 46.4493



50.8984, 65.5252, 59.2552



50.3633, 65.5252, 77.8122

# Triad

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



50.8984, 65.5252, 59.2552



64.4985, 65.5252, 114.5201



72.7824, 65.5252, 50.1543

# Complementary

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



50.8984, 65.5252, 59.2552



53.5020, 44.8617, 56.8810

# 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.



75.9416, 65.5252, 65.2480



50.8984, 65.5252, 59.2552



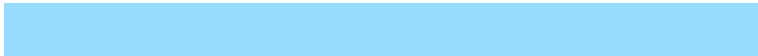
70.9362, 65.5252, 103.8484

# Square

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



50.8984, 65.5252, 59.2552



57.9010, 65.5252, 112.1252



75.2426, 65.5252, 84.9784



66.8738, 65.5252, 41.8896



# Rectangle

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



50.8984, 65.5252, 59.2552



51.6943, 65.5252, 91.3838



75.2426, 65.5252, 84.9784



74.2198, 65.5252, 54.4745

# Sweetspot

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



50.9002, 65.5279, 59.2567



85.2342, 95.1559, 98.6771



55.8934, 68.4654, 43.0711



17.9261, 20.2108, 20.7807



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

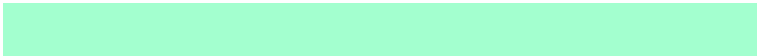


# Same Dimension

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



50.9002, 65.5279, 59.2567



62.1730, 83.8348, 71.9638



54.9195, 67.1356, 80.4222



13.8000, 15.4457, 15.9822



17.1170, 31.6717, 13.6052



1.2315, 2.2133, 1.1803



# Inverse Universe

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



53.5020, 44.8617, 56.8810



66.1503, 52.2365, 68.3275



50.2177, 43.5480, 39.5860



14.0048, 13.8196, 15.7955



19.8214, 9.9955, 10.9910

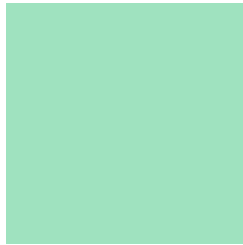


1.4191, 0.7109, 0.9998



# Previews

## White Background



This preview shows how the XYZ color 50.8984, 65.5252, 59.2552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

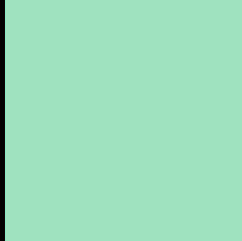
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.8984, 65.5252, 59.2552 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

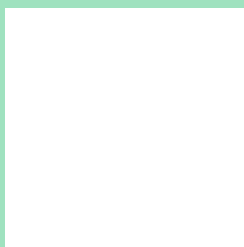
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 50.8984, 65.5252, 59.2552**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.8984, 65.5252, 59.2552.



This preview shows how white text looks on a background with the XYZ color 50.8984, 65.5252, 59.2552.



# 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**

50.8984, 65.5252, 59.2552

**Protanopia**

61.4126, 64.8842, 54.0869

**Deuteranopia**

66.2448, 64.7019, 61.2218



## Tritanopia

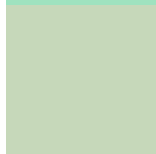
57.0277, 65.6257, 89.7821

# Trichromacy



## Original Color

50.8984, 65.5252, 59.2552



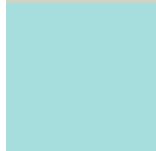
## Protanomaly

56.7075, 64.6627, 55.9467



## Deuteranomaly

59.3264, 64.0389, 60.2728



## Tritanomaly

54.5566, 65.4092, 77.4599

# Monochromacy



## Original Color

50.8984, 65.5252, 59.2552



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

53.7370, 61.1049, 62.3883

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.8984, 65.5252, 59.2552 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(159, 226, 191)` looks like.

```
.text, #text, p{  
    color:rgb(159, 226, 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(159, 226, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 226, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 50.8984, 65.5252, 59.2552 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(159, 226, 191) }
```



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

```
.border{ border-color:rgb(159, 226, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 226, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 226, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 226, 191); box-shadow:4px 4px 4px 4px rgb(159, 226, 191) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.8984, 65.5252, 59.2552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 226, 191) }
```

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

```
.background{ background-color: rgb(159,  
226, 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](#).

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