

# Converting Colors

XYZ(59.4007, 81.0236, 66.7209)

Have a look what the booklet for  
XYZ(59.4007, 81.0236, 66.7209)  
contains.

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# Color

**XYZ(59.4173, 81.1153,  
66.5580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FFCC7
RGB	159, 252, 199
RGB Percent	62%, 99%, 78%
CMY	0.3765, 0.0117, 0.2196
CMYK	0.37, 0.00, 0.21, 0.01
HSL	146°, 94%, 81%
HSV	146°, 37%, 99%
XYZ	59.4173, 81.1153, 66.5580
YIQ	218.1510, -38.4150, -36.1990

# Conversions

## Conversions Part 2

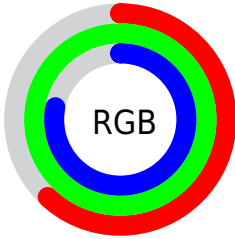
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 224, 252
Decimal	10484935
CIELab	92.18, -38.78, 16.79
CIELCh	92, 42.258, 156.596
Yxy	81.1153, 0.2869, 0.3917
Android (android.graphics.Color)	4288675015 (0xFF9FFCC7)
YUV	218.1510, -9.4414, -51.8754
Hunter-Lab	90.0640, -39.8515, 19.2291

# Details

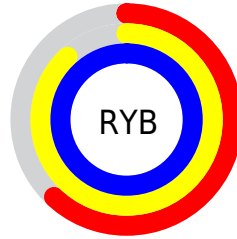
The XYZ color **59.4173, 81.1153, 66.5580** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **64.4294, 50.2471, 68.5935**, and the grayscale version is **66.8286, 70.3089, 76.5664**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **30.2195, 43.9581, 33.6801** is the 20% darker color. If you saturate the color by 10%, you get **53.3309, 78.1635, 57.9763**, and if you desaturate by 10%, it is **66.6842, 84.6619, 76.0200**.

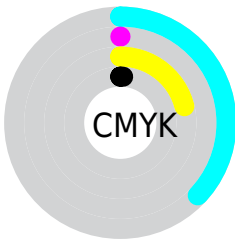
# Distribution



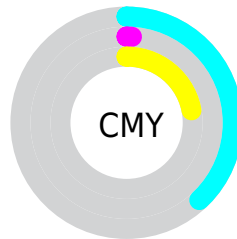
- Red (62%)
- Green (99%)
- Blue (78%)



- Red (62%)
- Yellow (88%)
- Blue (99%)



- Cyan (37%)
- Magenta (0%)
- Yellow (21%)
- Black (1%)



- Cyan (38%)
- Magenta (1%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4173, 81.1153, 66.5580 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 59.4173, 81.1153, 66.5580 by changing the saturation by 10% instead.





 59.4173, 81.1153,  
66.5580


 59.4173, 81.1153,  
66.5580


412.3159,  
498.6836, 466.8284

 43.1968, 60.6366,  
48.2662


 103.0951,  
134.9327, 115.9215

 30.2347, 43.9319,  
33.6762


 131.2831,  
169.0401, 147.8302

 20.1658, 30.6170,  
22.3696


164.1909,  
208.4591, 185.1150

 12.6246, 20.3074,  
13.9278

202.1840,  
253.5743, 228.1943

 7.2458, 12.6187,  
7.9323

245.6277,  
304.7699, 277.4868

 3.6640, 7.1665,  
3.9645


294.8874,


 1.5138, 3.5664,

362.4304, 333.4110

1.6059


350.3283,  
426.9402, 396.3853


 0.3352, 1.4341,  
0.2950

 0.0000, 0.2417,  
0.0000


 59.4173, 81.1153,  
66.5580


 59.4173, 81.1153,  
66.5580


 53.3309, 78.1635,  
57.9763


 66.6842, 84.6619,  
76.0200


 48.3517, 75.7627,  
50.2436

 75.1862, 88.8243,  
86.3815

 44.4083, 73.8786,  
43.3348

 84.9824, 93.6347,  
97.6678

 41.4176, 72.4691,  
37.2212

 94.1019, 98.1039,  
108.5840

■ 39.2825, 71.4845,  
31.8720

■ 37.8807, 70.8626,  
27.2542

■ 37.5393, 70.7148,  
25.9661

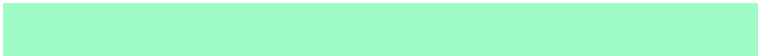
# Harmonies

## Analogous

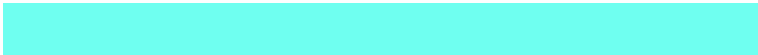
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.2648, 81.1153, 48.3609



59.4173, 81.1153, 66.5580



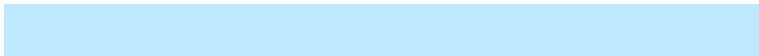
58.0943, 81.1153, 95.3970

# Triad

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



59.4173, 81.1153, 66.5580



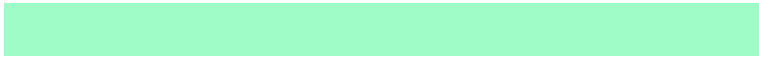
79.5304, 81.1153, 162.3792



95.1799, 81.1153, 57.1496

# Complementary

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



59.4173, 81.1153, 66.5580



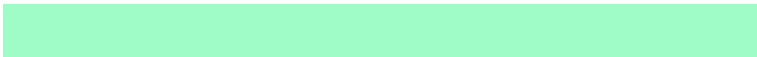
64.4294, 50.2471, 68.5935

# 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.



99.8498, 81.1153, 81.6034



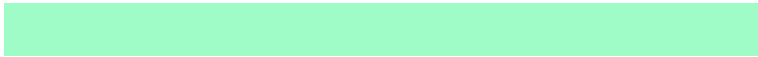
59.4173, 81.1153, 66.5580



90.2807, 81.1153, 145.8131

# Square

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



59.4173, 81.1153, 66.5580



69.0681, 81.1153, 155.6585



97.9776, 81.1153, 114.3751

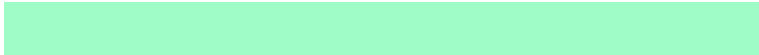


85.7266, 81.1153, 43.8912



# Rectangle

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



59.4173, 81.1153, 66.5580



59.8330, 81.1153, 118.0133



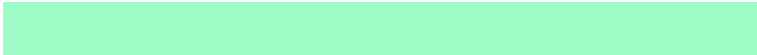
97.9776, 81.1153, 114.3751



97.3998, 81.1153, 64.0799

# Sweetspot

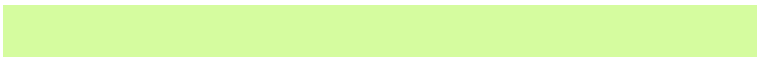
The Sweet Spot groups the original color and five complimentary colors.



59.4195, 81.1186, 66.5598



83.0049, 94.0756, 95.4559



68.5844, 86.3113, 45.8468



17.4734, 19.9922, 20.0942



0.0000, 0.0000, 0.0000

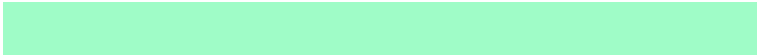


20.3446, 21.4041, 23.3091

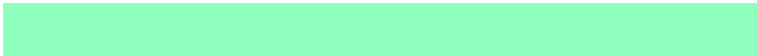


# Same Dimension

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



59.4195, 81.1186, 66.5598



56.4633, 81.1059, 62.0019



65.4783, 83.5422, 98.4650



17.3273, 19.4332, 19.9241



19.6243, 36.8627, 13.8967



1.8695, 3.4349, 1.5607



# Inverse Universe

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



64.4294, 50.2471, 68.5935



62.2636, 45.3374, 64.3365



59.4973, 48.2742, 42.6213



17.6591, 17.3910, 20.0607



23.5943, 11.8535, 15.1041

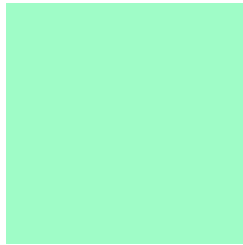


2.2384, 1.1191, 1.6787



# Previews

## White Background



This preview shows how the XYZ color 59.4173, 81.1153, 66.5580 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 59.4173, 81.1153, 66.5580 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 59.4173, 81.1153, 66.5580

## Background



This preview shows how black text looks on a background with the XYZ color 59.4173, 81.1153, 66.5580.



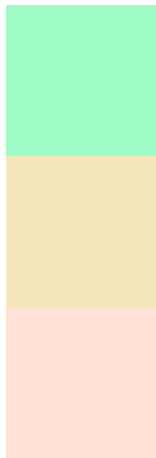
This preview shows how white text looks on a background with the XYZ color 59.4173, 81.1153,



# 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

59.4173, 81.1153, 66.5580

### Protanopia

75.4174, 80.2384, 59.6568

### Deuteranopia

80.1755, 79.9145, 74.1501



## Tritanopia

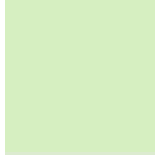
70.6959, 80.6165, 106.4422

# Trichromacy



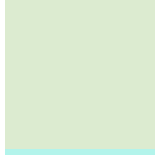
## Original Color

59.4173, 81.1153, 66.5580



## Protanomaly

68.2237, 79.8794, 62.2746



## Deuteranomaly

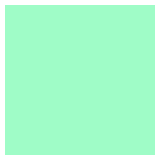
70.6087, 79.1864, 71.2375



## Tritanomaly

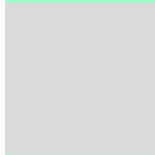
65.9365, 80.2832, 90.6183

# Monochromacy



## Original Color

59.4173, 81.1153, 66.5580



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

63.0806, 73.1671, 72.4260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4173, 81.1153, 66.5580 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, 252, 199)` looks like.

```
.text, #text, p{  
    color:rgb(159, 252, 199)  
}
```

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, 252, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 252, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4173, 81.1153, 66.5580 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, 252, 199) }
```



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

```
.border{ border-color:rgb(159, 252, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 252, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 252, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 252, 199); box-shadow:4px 4px 4px 4px rgb(159, 252, 199) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4173, 81.1153, 66.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 252, 199) }
```

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

```
.background{ background-color: rgb(159,  
252, 199) }
```

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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