

# Converting Colors

XYZ(69.0538, 101.7164,  
88.9450)

Have a look what the booklet for  
XYZ(69.0538, 101.7164, 88.9450)  
contains.

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# Color

**XYZ(59.1408, 81.9716,  
85.3781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84FFE3
RGB	132, 255, 227
RGB Percent	52%, 100%, 89%
CMY	0.4823, 0.0000, 0.1098
CMYK	0.48, 0.00, 0.11, 0.00
HSL	166°, 100%, 76%
HSV	166°, 48%, 100%
XYZ	59.1408, 81.9716, 85.3781
YIQ	215.0310, -64.3200, -34.7840

# Conversions

## Conversions Part 2

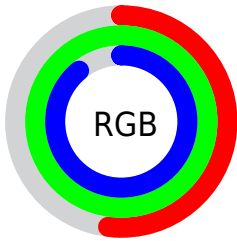
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	132, 201, 255
Decimal	8716259
CIE <sub>Lab</sub>	92.56, -41.08, 2.75
CIE <sub>LCh</sub>	93, 41.172, 176.172
Yxy	81.9716, 0.2611, 0.3619
Android (android.graphics.Color)	4286906339 (0xFF84FFE3)
YUV	215.0310, 5.9007, -72.8182
Hunter-Lab	90.5382, -41.8431, 7.4659

# Details

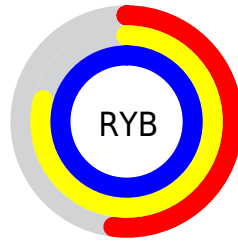
The XYZ color **59.1408, 81.9716, 85.3781** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **55.8371, 40.3017, 38.0946**, and the grayscale version is **64.6049, 67.9694, 74.0187**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **30.1663, 44.6688, 46.0617** is the 20% darker color. If you saturate the color by 10%, you get **54.8414, 79.8461, 81.0659**, and if you desaturate by 10%, it is **64.4435, 84.6110, 89.8810**.

# Distribution



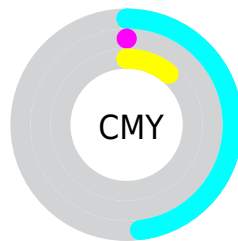
- Red (52%)
- Green (100%)
- Blue (89%)



- Red (52%)
- Yellow (79%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1408, 81.9716, 85.3781 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 59.1408, 81.9716, 85.3781 by changing the saturation by 10% instead.




 59.1408, 81.9716,  
85.3781


 59.1408, 81.9716,  
85.3781


411.3092,  
501.5527, 533.0555


 42.9733, 61.3421,  
63.6019


 102.6957,  
136.1342, 142.7802

 30.0586, 44.5013,  
45.8842


 130.8139,  
170.4361, 179.2431

 20.0313, 31.0648,  
31.8064


 163.6462,  
210.0642, 221.4387

 12.5262, 20.6482,  
20.9501

201.5582,  
255.4030, 269.7855

 7.1779, 12.8671,  
12.8966

244.9151,  
306.8369, 324.7021

 3.6209, 7.3371,  
7.2275

294.0823,

 1.4900, 3.6738,

364.7502, 386.6069

3.5242

349.4252,  
429.5273, 455.9185

■ 0.3190, 1.4928,  
1.3681

■ 0.0000, 0.2837,  
0.1167

■ 59.1408, 81.9716,  
85.3781

■ 59.1408, 81.9716,  
85.3781

■ 54.8414, 79.8461,  
81.0659

■ 64.4435, 84.6110,  
89.8810

■ 51.4699, 78.1960,  
76.9354

■ 70.8119, 87.7968,  
94.5748

■ 48.9449, 76.9792,  
72.9828

■ 78.3067, 91.5600,  
99.4651

■ 47.1686, 76.1453,  
69.2020

■ 86.9828, 95.9290,  
104.5556

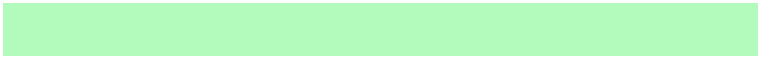
■ 46.0070, 75.6253, 95.0500, 100.0000,  
65.5855 108.9000

■ 45.8327, 75.5491,  
64.9622

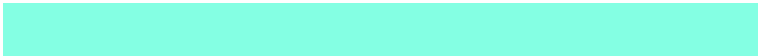
# Harmonies

## Analogous

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



62.0460, 81.9716, 60.3157



59.1408, 81.9716, 85.3781



60.8737, 81.9716, 117.8323

# Triad

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



59.1408, 81.9716, 85.3781



87.3387, 81.9716, 153.2341



89.9304, 81.9716, 48.7221

# Complementary

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



59.1408, 81.9716, 85.3781



55.8371, 40.3017, 38.0946

# 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.



97.8643, 81.9716, 65.7145



59.1408, 81.9716, 85.3781



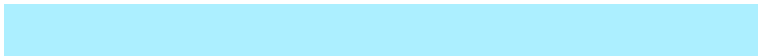
96.2744, 81.9716, 126.2209

# Square

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



59.1408, 81.9716, 85.3781



76.5465, 81.9716, 161.8604



100.2851, 81.9716, 93.2437

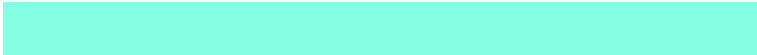


79.2927, 81.9716, 42.4411



# Rectangle

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



59.1408, 81.9716, 85.3781



64.5202, 81.9716, 138.8420



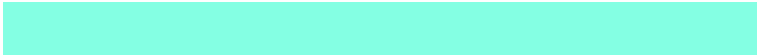
100.2851, 81.9716, 93.2437



93.0384, 81.9716, 53.1493

# Sweetspot

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



59.1417, 81.9720, 85.3795



81.8327, 93.3342, 101.5956



54.5632, 80.7323, 34.5382



17.1252, 19.7809, 21.5123



0.0000, 0.0000, 0.0000

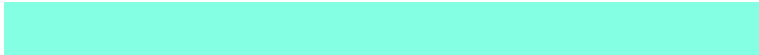


20.3446, 21.4041, 23.3091



# Same Dimension

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



59.1417, 81.9720, 85.3795



54.9310, 79.8902, 81.1647



53.7410, 64.4752, 104.2203



18.3675, 20.4065, 22.2383



24.0081, 39.4998, 34.2578



2.3788, 3.8624, 3.5523



# Inverse Universe

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



55.8371, 40.3017, 38.0946



51.2985, 33.7124, 28.9119



58.8247, 49.7652, 28.3364



18.1787, 18.0548, 19.5582



21.9947, 11.2872, 3.3567

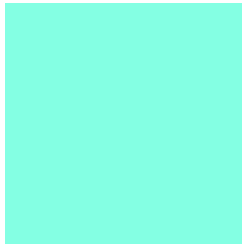


2.1809, 1.1147, 0.5341



# Previews

## White Background



This preview shows how the XYZ color 59.1408, 81.9716, 85.3781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

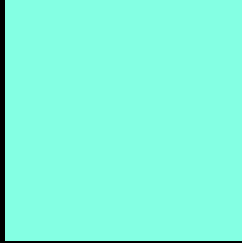
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.1408, 81.9716, 85.3781 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

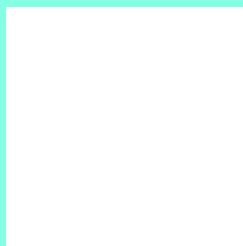
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 59.1408, 81.9716, 85.3781

## Background



This preview shows how black text looks on a background with the XYZ color 59.1408, 81.9716, 85.3781.



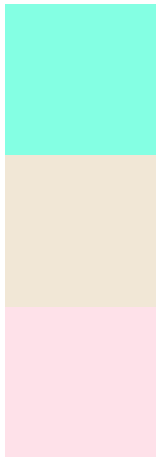
This preview shows how white text looks on a background with the XYZ color 59.1408, 81.9716,



# 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

59.1408, 81.9716, 85.3781

### Protanopia

76.9891, 80.7076, 75.1387

### Deuteranopia

82.5062, 80.8045, 88.3391



## Tritanopia

70.0518, 81.1634, 106.5817

# Trichromacy



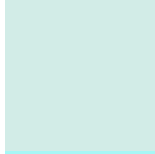
## Original Color

59.1408, 81.9716, 85.3781



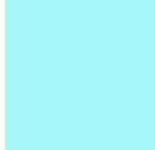
## Protanomaly

68.0337, 79.8522, 78.8451



## Deuteranomaly

70.9976, 79.4621, 87.1970



## Tritanomaly

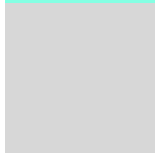
65.4681, 81.2211, 98.6129

# Monochromacy



## Original Color

59.1408, 81.9716, 85.3781



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

61.0906, 72.0224, 77.6997

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1408, 81.9716, 85.3781 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(132, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(132, 255, 227)  
}
```

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(132, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 255, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1408, 81.9716, 85.3781 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(132, 255, 227) }
```



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

```
.border{ border-color:rgb(132, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(132, 255,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1408, 81.9716, 85.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 255, 227) }
```

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

```
.background{ background-color: rgb(132,  
255, 227) }
```

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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