

# Converting Colors

XYZ(68.7319, 85.6299, 93.5579)

Have a look what the booklet for  
XYZ(68.7319, 85.6299, 93.5579)  
contains.

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# Color

**XYZ(68.9180, 85.8886,  
93.8347)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FDEE
RGB	178, 253, 238
RGB Percent	70%, 99%, 93%
CMY	0.3019, 0.0078, 0.0667
CMYK	0.30, 0.00, 0.06, 0.01
HSL	168°, 95%, 85%
HSV	168°, 30%, 99%
XYZ	68.9180, 85.8886, 93.8347
YIQ	228.8650, -39.8850, -20.5650

# Conversions

## Conversions Part 2

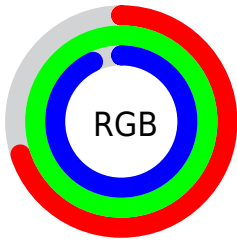
Format	Color
<b>RYB</b>	178, 220, 253
Decimal	11730414
CIELab	94.26, -26.08, -0.21
CIELCh	94, 26.085, 180.471
Yxy	85.8886, 0.2772, 0.3454
Android (android.graphics.Color)	4289920494 (0xFFB2FDDE)
YUV	228.8650, 4.5036, -44.6086
Hunter-Lab	92.6761, -29.4428, 4.8421

# Details

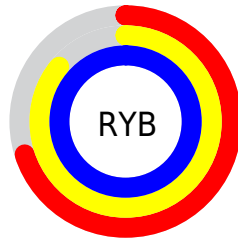
The XYZ color **68.9180, 85.8886, 93.8347** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.0570, 56.5760, 57.8942**, and the grayscale version is **74.3679, 78.2408, 85.2042**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **36.3518, 47.0682, 51.4251** is the 20% darker color. If you saturate the color by 10%, you get **62.9071, 82.8768, 89.7278**, and if you desaturate by 10%, it is **76.0253, 89.4676, 98.1058**.

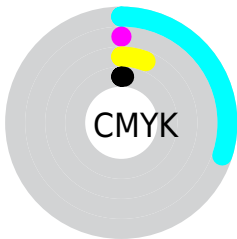
# Distribution



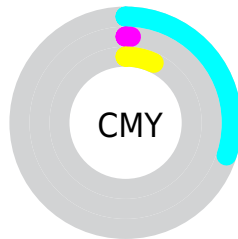
- Red (70%)
- Green (99%)
- Blue (93%)



- Red (70%)
- Yellow (86%)
- Blue (99%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)




- Cyan (30%)
- Magenta (1%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9180, 85.8886, 93.8347 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 68.9180, 85.8886, 93.8347 by changing the saturation by 10% instead.




 68.9180, 85.8886,  
93.8347

 68.9180, 85.8886,  
93.8347


446.0676,  
514.5638, 561.3164

 50.9213, 64.5759,  
70.5740


 116.6992,  
141.6140, 154.6354

 36.3668, 47.1172,  
51.5149


147.2144,  
176.7955, 193.0124

 24.8890, 33.1283,  
36.2390

182.6331,  
217.3687, 237.2653

 16.1227, 22.2248,  
24.3277


223.3208,  
263.7179, 287.8126

 9.7024, 14.0222,  
15.3624

269.6427,  
316.2277, 345.0728

 5.2628, 8.1361,  
8.9247


321.9642,


 2.4386, 4.1821,


375.2823, 409.4645


4.5960

380.6508,  
441.2662, 481.4062


 0.8644, 1.7760,  
1.9577


 0.0000, 0.4721,  
0.5291


 68.9180, 85.8886,  
93.8347


 68.9180, 85.8886,  
93.8347


 62.9071, 82.8768,  
89.7278


 76.0253, 89.4676,  
98.1058


 57.9261, 80.3913,  
85.7754

 84.2761, 93.6315,  
102.5385

 53.9127, 78.4023,  
81.9757

 93.7239, 98.4100,  
107.1382

 50.7946, 76.8724,  
78.3244

 94.4168, 98.7336,  
108.6889

■ 48.4892, 75.7592,  
74.8166

■ 46.8983, 75.0120,  
71.4469

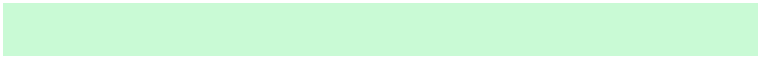
■ 45.8670, 74.5510,  
68.2070

■ 45.8343, 74.5366,  
68.0939

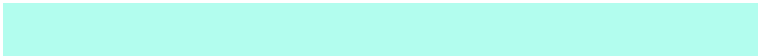
# Harmonies

## Analogous

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



70.4890, 85.8886, 75.7995



68.9180, 85.8886, 93.8347



70.5891, 85.8886, 114.4282

# Triad

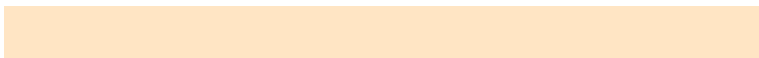
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.9180, 85.8886, 93.8347



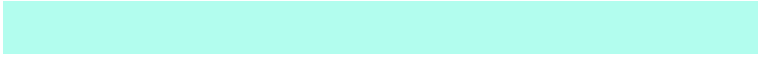
88.6420, 85.8886, 130.7742



88.4401, 85.8886, 63.8635

# Complementary

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



68.9180, 85.8886, 93.8347



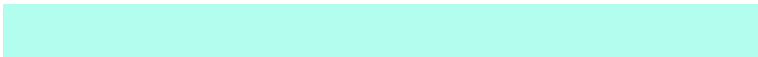
66.0570, 56.5760, 57.8942

# 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.



93.7759, 85.8886, 75.3243



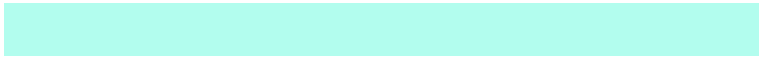
68.9180, 85.8886, 93.8347



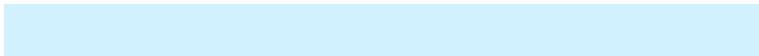
93.8971, 85.8886, 113.8027

# Square

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



68.9180, 85.8886, 93.8347



81.7450, 85.8886, 137.5342



95.8264, 85.8886, 93.2022

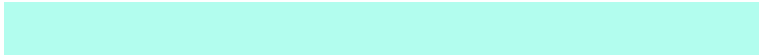


81.5242, 85.8886, 60.0648



# Rectangle

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



68.9180, 85.8886, 93.8347



73.3750, 85.8886, 126.4618



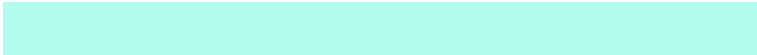
95.8264, 85.8886, 93.2022



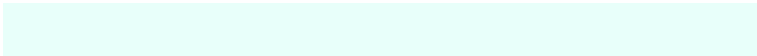
90.4918, 85.8886, 66.8586

# Sweetspot

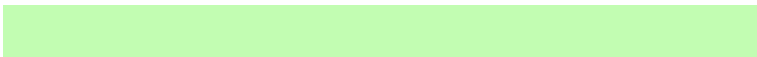
The Sweet Spot groups the original color and five complimentary colors.



68.9205, 85.8921, 93.8367



86.3745, 95.6120, 104.6818



65.4762, 84.9710, 55.0711



18.2076, 20.3234, 22.2630



0.0000, 0.0000, 0.0000

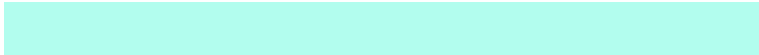


20.3446, 21.4041, 23.3091

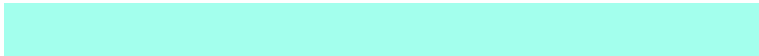


# Same Dimension

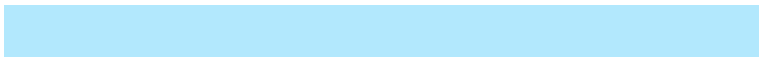
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.9205, 85.8921, 93.8367



66.1383, 85.4209, 92.8448



64.8786, 74.1325, 103.8221



18.3900, 20.4155, 22.3565



24.4346, 39.6704, 36.5034



2.4168, 3.8777, 3.7528



# Inverse Universe

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



66.0570, 56.5760, 57.8942



62.7711, 50.8848, 50.5330



69.0277, 65.0616, 51.0410



18.1579, 18.0465, 19.4487



21.9028, 11.2504, 2.8727

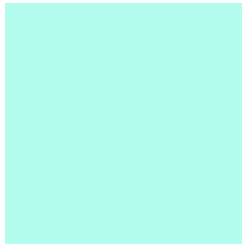


2.1692, 1.1100, 0.4724



# Previews

## White Background



This preview shows how the XYZ color 68.9180, 85.8886, 93.8347 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

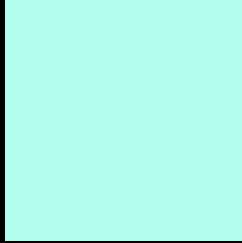
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.9180, 85.8886, 93.8347 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

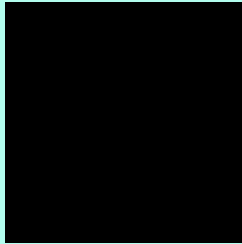
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

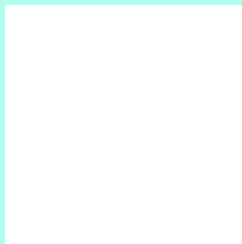
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.9180, 85.8886, 93.8347**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.9180, 85.8886, 93.8347.



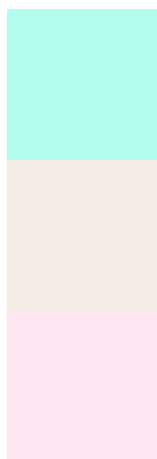
This preview shows how white text looks on a background with the XYZ color 68.9180, 85.8886,

93.8347.

# 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

68.9180, 85.8886, 93.8347

### Protanopia

81.7353, 85.4586, 86.3160

### Deuteranopia

85.8429, 84.8226, 95.8524



## **Tritanopia**

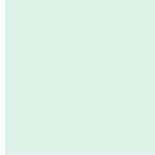
77.2647, 85.7703, 107.0908

# Trichromacy



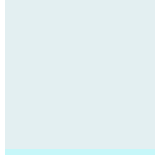
## Original Color

68.9180, 85.8886, 93.8347



## Protanomaly

76.1313, 85.1430, 88.7656



## Deuteranomaly

78.4222, 84.4148, 95.3795



## Tritanomaly

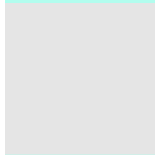
73.9128, 85.5032, 102.2307

# Monochromacy



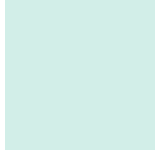
## Original Color

68.9180, 85.8886, 93.8347



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

71.7184, 80.6769, 88.1362

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.9180, 85.8886, 93.8347 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(178, 253, 238)` looks like.

```
.text, #text, p{  
    color:rgb(178, 253, 238)  
}
```

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(178, 253, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 253, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 68.9180, 85.8886, 93.8347 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(178, 253, 238) }
```



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

```
.border{ border-color:rgb(178, 253, 238) }
```

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

Here you see how a box with a 4 pixel rgb(178, 253, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 253, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 253, 238);  
box-shadow:4px 4px 4px 4px rgb(178, 253,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.9180, 85.8886, 93.8347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 253, 238) }
```

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

```
.background{ background-color: rgb(178,  
253, 238) }
```

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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