

# Converting Colors

XYZ(68.2072, 83.2763, 93.2427)

Have a look what the booklet for  
XYZ(68.2072, 83.2763, 93.2427)  
contains.

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# Color

**XYZ(68.2914, 83.2529,  
93.3590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6F8EE
RGB	182, 248, 238
RGB Percent	71%, 97%, 93%
CMY	0.2863, 0.0274, 0.0667
CMYK	0.27, 0.00, 0.04, 0.03
HSL	171°, 83%, 84%
HSV	171°, 27%, 97%
XYZ	68.2914, 83.2529, 93.3590
YIQ	227.1260, -36.1260, -17.1020

# Conversions

## Conversions Part 2

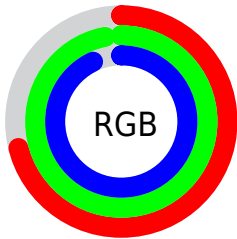
Format	Color
R <sub>Y</sub> B	182, 218, 248
Decimal	11991278
CIE Lab	93.13, -22.54, -1.86
CIE LCh	93, 22.614, 184.710
Yxy	83.2529, 0.2789, 0.3399
Android (android.graphics.Color)	4290181358 (0xFFB6F8EE)
YUV	227.1260, 5.3609, -39.5755
Hunter-Lab	91.2430, -26.0759, 3.2052

# Details

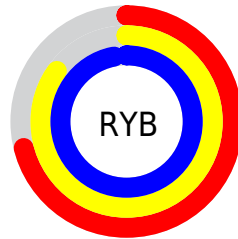
The XYZ color **68.2914, 83.2529, 93.3590** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.9567, 57.2204, 57.4935**, and the grayscale version is **73.0883, 76.8945, 83.7382**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **35.8267, 45.1510, 51.0827** is the 20% darker color. If you saturate the color by 10%, you get **62.3992, 80.2807, 90.2321**, and if you desaturate by 10%, it is **75.2371, 86.7712, 96.5990**.

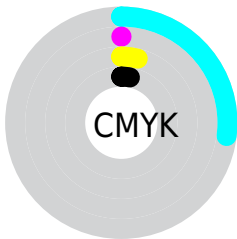
# Distribution



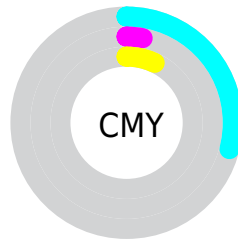
- Red (71%)
- Green (97%)
- Blue (93%)



- Red (71%)
- Yellow (85%)
- Blue (97%)



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)



- Cyan (29%)
- Magenta (3%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2914, 83.2529, 93.3590 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 68.2914, 83.2529, 93.3590 by changing the saturation by 10% instead.



68.2914, 83.2529,  
93.3590

68.2914, 83.2529,  
93.3590

443.8883,  
505.8290, 559.7476

50.4094, 62.3988,  
70.1806

115.8085,  
137.9296, 153.9715

35.9579, 45.3550,  
51.1961

146.1744,  
172.5210, 192.2428

24.5717, 31.7372,  
35.9869

181.4322,  
212.4603, 236.3820

15.8852, 21.1608,  
24.1344

221.9473,  
258.1319, 286.8079

9.5333, 13.2416,  
15.2203

268.0851,  
309.9202, 343.9388

5.1505, 7.5951,  
8.8258

320.2110,

2.3715, 3.8370,

368.2095, 408.1934

4.5325

378.6903,  
433.3843, 479.9901

■ 0.8309, 1.5828,  
1.9218

■ 0.0000, 0.3460,  
0.5065

■ 68.2914, 83.2529,  
93.3590

■ 68.2914, 83.2529,  
93.3590

■ 62.3992, 80.2807,  
90.2321

■ 75.2371, 86.7712,  
96.5990

■ 57.4986, 77.8161,  
87.2096

■ 83.2799, 90.8516,  
99.9491

■ 53.5321, 75.8318,  
84.2904

■ 91.9511, 95.2546,  
103.3895

■ 50.4334, 74.2936,  
81.4708

■ 92.5443, 95.4919,  
106.5131

■ 48.1275, 73.1627,  
78.7471

■ 92.8589, 95.6177,  
108.1696

■ 46.5261, 72.3938,  
76.1147

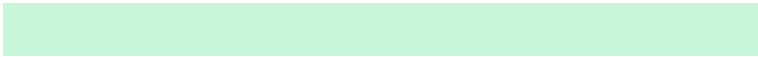
■ 45.5187, 71.9298,  
73.5681

■ 45.2539, 71.8117,  
72.7222

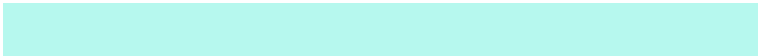
# Harmonies

## Analogous

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



69.2524, 83.2529, 77.3899



68.2914, 83.2529, 93.3590



70.1135, 83.2529, 110.5632

# Triad

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



68.2914, 83.2529, 93.3590



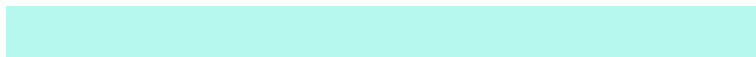
85.8077, 83.2529, 120.2591



84.1057, 83.2529, 64.1906

# Complementary

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



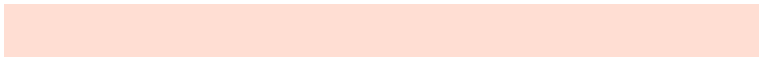
68.2914, 83.2529, 93.3590



64.9567, 57.2204, 57.4935

# 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.



88.8868, 83.2529, 73.2809



68.2914, 83.2529, 93.3590



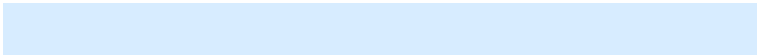
89.9035, 83.2529, 105.3404

# Square

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



68.2914, 83.2529, 93.3590



80.0703, 83.2529, 127.2811



91.0573, 83.2529, 87.9905

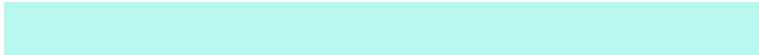


78.1958, 83.2529, 61.8194

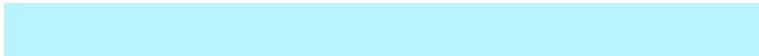


# Rectangle

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



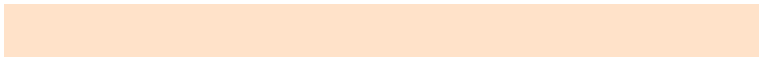
68.2914, 83.2529, 93.3590



72.7175, 83.2529, 120.0305



91.0573, 83.2529, 87.9905



85.9075, 83.2529, 66.5008

# Sweetspot

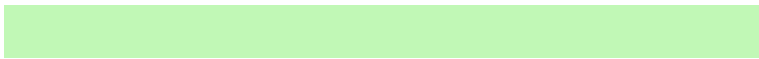
The Sweet Spot groups the original color and five complimentary colors.



68.2938, 83.2563, 93.3609



87.4452, 96.1366, 105.9666



64.0057, 81.8531, 56.6832



18.4296, 20.4314, 22.5650



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

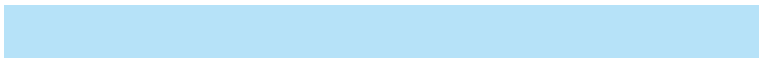
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.2938, 83.2563, 93.3609



69.2045, 86.8988, 97.6295



63.4335, 71.1180, 99.1946



17.6461, 19.5607, 21.6029



24.4872, 38.8079, 39.5043



2.2976, 3.6061, 3.8149



# Inverse Universe

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



64.9567, 57.2204, 57.4935



65.0986, 54.8360, 53.4779



68.7505, 66.5222, 53.4740



17.3518, 17.2681, 18.4424



21.1288, 10.8672, 2.1205

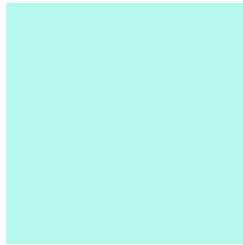


1.9876, 1.0188, 0.3582



# Previews

## White Background



This preview shows how the XYZ color 68.2914, 83.2529, 93.3590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

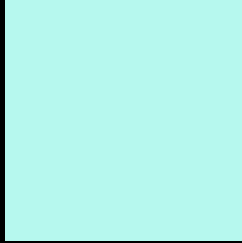
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.2914, 83.2529, 93.3590 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

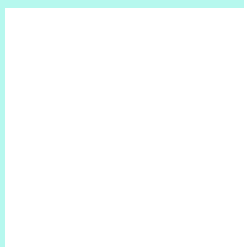
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.2914, 83.2529, 93.3590**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.2914, 83.2529, 93.3590.



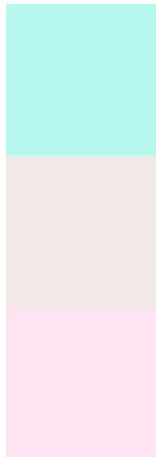
This preview shows how white text looks on a background with the XYZ color 68.2914, 83.2529,

93.3590.

# 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

68.2914, 83.2529, 93.3590

### Protanopia

79.3570, 82.5163, 86.6076

### Deuteranopia

84.3691, 82.4198, 95.4663



## **Tritanopia**

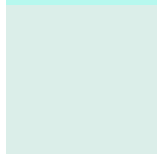
74.4071, 82.9680, 106.7005

# Trichromacy



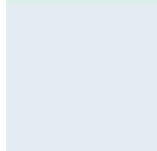
## Original Color

68.2914, 83.2529, 93.3590



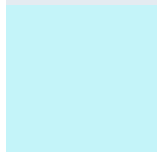
## Protanomaly

74.4959, 82.0923, 89.0098



## Deuteranomaly

77.5804, 82.2615, 95.0082



## Tritanomaly

72.2145, 83.2767, 101.8904

# Monochromacy



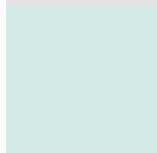
## Original Color

68.2914, 83.2529, 93.3590



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

70.9961, 79.0351, 87.1147

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.2914, 83.2529, 93.3590 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(182, 248, 238)` looks like.

```
.text, #text, p{  
    color:rgb(182, 248, 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(182, 248, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 248, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 68.2914, 83.2529, 93.3590 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(182, 248, 238) }
```



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

```
.border{ border-color:rgb(182, 248, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 248, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 248, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 248, 238);  
box-shadow:4px 4px 4px 4px rgb(182, 248,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.2914, 83.2529, 93.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 248, 238) }
```

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

```
.background{ background-color: rgb(182,  
248, 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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