

# Converting Colors

XYZ(68.5919, 79.2628, 93.9283)

Have a look what the booklet for  
XYZ(68.5919, 79.2628, 93.9283)  
contains.

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# **Color**

**XYZ(68.5870, 79.3617,  
94.1415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1EFF0
RGB	193, 239, 240
RGB Percent	76%, 94%, 94%
CMY	0.2431, 0.0627, 0.0588
CMYK	0.20, 0.00, 0.00, 0.06
HSL	181°, 61%, 85%
HSV	181°, 20%, 94%
XYZ	68.5870, 79.3617, 94.1415
YIQ	225.3600, -27.7370, -9.4410

# Conversions

## Conversions Part 2

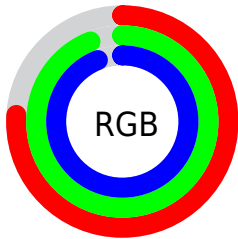
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	193, 216, 240
Decimal	12709872
CIE Lab	91.40, -14.45, -5.36
CIE LCh	91, 15.410, 200.372
Yxy	79.3617, 0.2833, 0.3278
Android (android.graphics.Color)	4290899952 (0xFFC1EFF0)
YUV	225.3600, 7.2175, -28.3797
Hunter-Lab	89.0852, -18.4713, -0.2956

# Details

The XYZ color **68.5870, 79.3617, 94.1415** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.8534, 60.9593, 58.8018**, and the grayscale version is **71.7928, 75.5317, 82.2540**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **36.2327, 42.8166, 51.7022** is the 20% darker color. If you saturate the color by 10%, you get **62.8102, 76.1648, 93.8302**, and if you desaturate by 10%, it is **75.3617, 83.0778, 94.5030**.

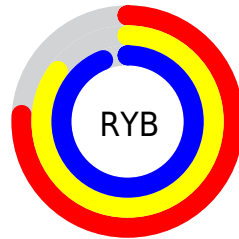
# Distribution



Red (76%)

Green (94%)

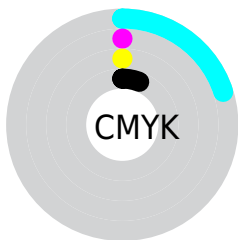
Blue (94%)



Red (76%)

Yellow (85%)

Blue (94%)

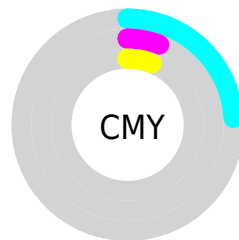


Cyan (20%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (24%)

Magenta (6%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5870, 79.3617, 94.1415 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 68.5870, 79.3617, 94.1415 by changing the saturation by 10% instead.



68.5870, 79.3617,  
94.1415

68.5870, 79.3617,  
94.1415

444.9172,  
492.7791, 562.3269

50.6509, 59.1932,  
70.8277

116.2288,  
132.4679, 155.0634

36.1507, 42.7687,  
51.7206

146.6652,  
166.1745, 193.5085

24.7213, 29.7037,  
36.4017

181.9990,  
205.1626, 237.8346

15.9971, 19.6138,  
24.4525

222.5956,  
249.8165, 288.4601

9.6130, 12.1146,  
15.4543

268.8203,  
300.5208, 345.8035

5.2034, 6.8218,  
8.9887

321.0386,

2.4031, 3.3509,

357.6597, 410.2834

4.6371

379.6158,  
421.6177, 482.3184

■ 0.8466, 1.3176,  
1.9810

■ 0.0000, 0.1547,  
0.5435

■ 68.5870, 79.3617,  
94.1415

■ 68.5870, 79.3617,  
94.1415

■ 62.8102, 76.1648,  
93.8302

■ 75.3617, 83.0778,  
94.5030

■ 57.9765, 73.4526,  
93.5614

■ 83.1719, 87.3263,  
94.9114

■ 54.0365, 71.2017,  
93.3347

■ 88.2854, 90.1852,  
95.1937

■ 50.9334, 69.3830,  
93.1471

■ 88.4359, 90.4863,  
95.2439

■ 48.6041, 67.9637,  
92.9960

■ 88.5868, 90.7881,  
95.2942

■ 46.9763, 66.9067,  
92.8777

■ 88.7382, 91.0909,  
95.3447

■ 45.9642, 66.1677,  
92.7884

■ 88.8900, 91.3944,  
95.3953

■ 45.4299, 65.6756,  
92.7216

■ 89.0422, 91.6989,  
95.4460

■ 45.4112, 65.6570,  
92.7190

■ 89.1948, 92.0041,  
95.4969

# Harmonies

## Analogous

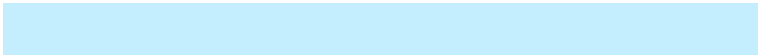
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.2449, 79.3617, 82.8531



68.5870, 79.3617, 94.1415



70.7275, 79.3617, 104.1160

# Triad

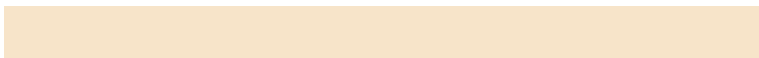
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.5870, 79.3617, 94.1415



81.3830, 79.3617, 100.9149



76.6979, 79.3617, 66.8383

# Complementary

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



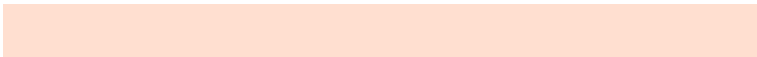
68.5870, 79.3617, 94.1415



64.8534, 60.9593, 58.8018

# 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.



80.3383, 79.3617, 70.8370



68.5870, 79.3617, 94.1415



83.1044, 79.3617, 90.0702

# Square

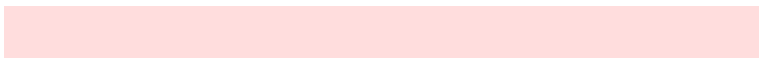
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5870, 79.3617, 94.1415



78.0838, 79.3617, 108.2554



82.7156, 79.3617, 79.1165



72.8388, 79.3617, 67.7232

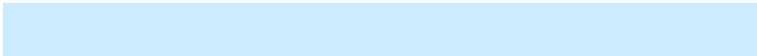


# Rectangle

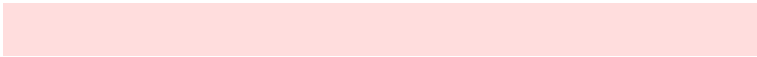
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



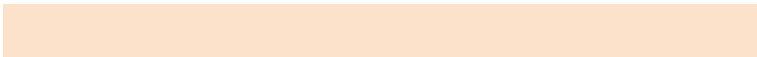
68.5870, 79.3617, 94.1415



72.9286, 79.3617, 108.3668



82.7156, 79.3617, 79.1165



77.9898, 79.3617, 67.6418

# Sweetspot

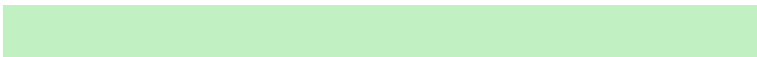
The Sweet Spot groups the original color and five complimentary colors.



68.5893, 79.3650, 94.1433



89.5400, 97.0059, 108.6125



62.8671, 77.5444, 62.5671



19.0425, 20.6964, 23.2411



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.



68.5893, 79.3650, 94.1433



76.2705, 89.7316, 107.9078



62.2053, 66.5970, 92.0153



16.2170, 17.8680, 20.3158



24.8717, 35.9677, 50.7595



2.0782, 3.0103, 4.2257



# Inverse Universe

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



70.5870, 62.8989, 90.0854



78.9093, 68.0381, 102.5348



70.4482, 72.1489, 60.6667



16.4390, 16.0253, 19.8677



27.8797, 13.4243, 44.1447

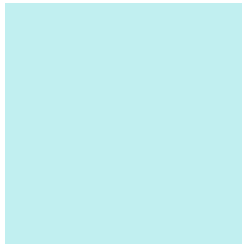


2.3239, 1.1186, 3.6966



# Previews

## White Background



This preview shows how the XYZ color 68.5870, 79.3617, 94.1415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

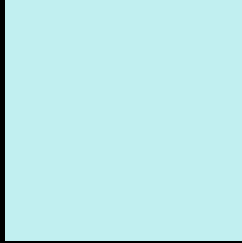
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.5870, 79.3617, 94.1415 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 68.5870, 79.3617, 94.1415

## Background



This preview shows how black text looks on a background with the XYZ color 68.5870, 79.3617, 94.1415.



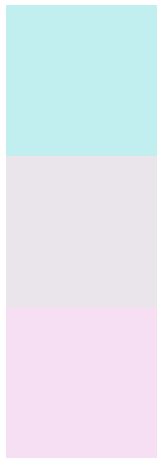
This preview shows how white text looks on a background with the XYZ color 68.5870, 79.3617,



# 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

68.5870, 79.3617, 94.1415

### Protanopia

76.4749, 79.3028, 89.1182

### Deuteranopia

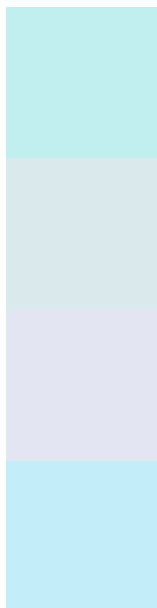
80.5714, 78.8392, 95.7649



## Tritanopia

71.0714, 79.0812, 106.1261

# Trichromacy



## Original Color

68.5870, 79.3617, 94.1415

## Protanomaly

73.1927, 79.2394, 90.7939

## Deuteranomaly

75.7249, 78.7803, 95.2194

## Tritanomaly

70.3045, 79.2063, 102.0254

# Monochromacy



## Original Color

68.5870, 79.3617, 94.1415

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

70.0203, 76.4529, 85.9293

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.5870, 79.3617, 94.1415 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(193, 239, 240)` looks like.

```
.text, #text, p{  
    color:rgb(193, 239, 240)  
}
```

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(193, 239, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 239, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 68.5870, 79.3617, 94.1415 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(193, 239, 240) }
```



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

```
.border{ border-color:rgb(193, 239, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 239, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 239, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 239, 240);  
box-shadow:4px 4px 4px 4px rgb(193, 239,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.5870, 79.3617, 94.1415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 239, 240) }
```

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

```
.background{ background-color: rgb(193,  
239, 240) }
```

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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