

# Converting Colors

XYZ(71.4598, 82.6772, 95.7419)

Have a look what the booklet for  
XYZ(71.4598, 82.6772, 95.7419)  
contains.

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# Color

**XYZ(71.2165, 82.4578,  
95.3815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6F3F1
RGB	198, 243, 241
RGB Percent	78%, 95%, 95%
CMY	0.2235, 0.0470, 0.0549
CMYK	0.19, 0.00, 0.01, 0.05
HSL	177°, 65%, 86%
HSV	177°, 19%, 95%
XYZ	71.2165, 82.4578, 95.3815
YIQ	229.3170, -26.1780, -10.1620

# Conversions

## Conversions Part 2

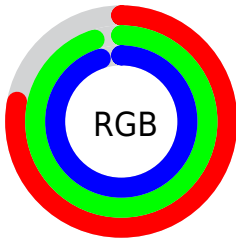
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	198, 221, 243
Decimal	13038577
CIE Lab	92.78, -14.73, -3.82
CIE LCh	93, 15.218, 194.539
Yxy	82.4578, 0.2859, 0.3311
Android (android.graphics.Color)	4291228657 (0xFFC6F3F1)
YUV	229.3170, 5.7597, -27.4650
Hunter-Lab	90.8063, -18.9191, 1.2871

# Details

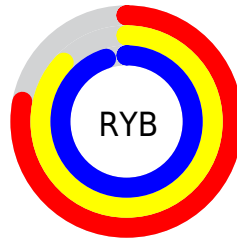
The XYZ color **71.2165, 82.4578, 95.3815** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.5845, 63.6153, 63.3641**, and the grayscale version is **74.6842, 78.5736, 85.5666**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.8550, 44.8831, 52.5671** is the 20% darker color. If you saturate the color by 10%, you get **65.1576, 79.3551, 94.2586**, and if you desaturate by 10%, it is **78.3087, 86.0974, 96.5612**.

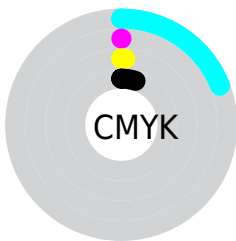
# Distribution



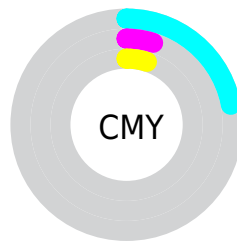
- Red (78%)
- Green (95%)
- Blue (95%)



- Red (78%)
- Yellow (87%)
- Blue (95%)



- Cyan (19%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (22%)
- Magenta (5%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2165, 82.4578, 95.3815 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 71.2165, 82.4578, 95.3815 by changing the saturation by 10% instead.



71.2165, 82.4578,  
95.3815

71.2165, 82.4578,  
95.3815

454.0100,  
503.1777, 566.4011

52.8021, 61.7430,  
71.8539

119.9588,  
136.8158, 156.7917

37.8716, 44.8250,  
52.5532

151.0173,  
171.2278, 195.5113

26.0598, 31.3196,  
37.0610

187.0213,  
210.9742, 240.1321

17.0013, 20.8424,  
24.9585

228.3361,  
256.4396, 291.0724

10.3307, 13.0088,  
15.8274

275.3270,  
308.0082, 348.7510

5.6827, 7.4346,  
9.2491

328.3593,

2.6920, 3.7354,

366.0645, 413.5862

4.8050

387.7986,  
430.9929, 485.9968

■ 0.9930, 1.5267,  
2.0766

■ 0.0000, 0.3074,  
0.6018

■ 71.2165, 82.4578,  
95.3815

■ 71.2165, 82.4578,  
95.3815

■ 65.1576, 79.3551,  
94.2586

■ 78.3087, 86.0974,  
96.5612

■ 60.0760, 76.7539,  
93.1848


■ 86.4728, 90.2873,  
97.7944


■ 55.9211, 74.6304,  
92.1593


■ 89.6587, 91.9108,  
98.7996


■ 52.6352, 72.9547,  
91.1794

■ 89.8237, 91.9767,  
99.6684


 50.1537, 71.6937,  
90.2422


 89.9896, 92.0431,  
100.5424

 48.4034, 70.8094,  
89.3442


 90.1566, 92.1099,  
101.4214


 47.2977, 70.2573,  
88.4813

 90.3245, 92.1771,  
102.3055

 46.7121, 69.9733,  
87.6476

 90.4933, 92.2446,  
103.1948

 46.6442, 69.9410,  
87.5255

 90.6632, 92.3126,  
104.0892

# Harmonies

## Analogous

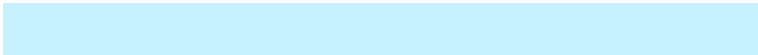
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2463, 82.4578, 84.0814



71.2165, 82.4578, 95.3815



73.0592, 82.4578, 106.0005

# Triad

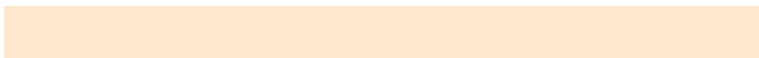
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.2165, 82.4578, 95.3815



83.8489, 82.4578, 106.2786



80.4257, 82.4578, 70.3227

# Complementary

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



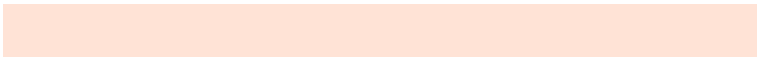
71.2165, 82.4578, 95.3815



67.5845, 63.6153, 63.3641

# 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.



83.9398, 82.4578, 75.3093



71.2165, 82.4578, 95.3815



85.9612, 82.4578, 95.7357

# Square

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



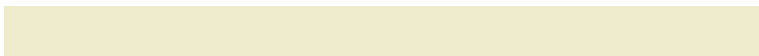
71.2165, 82.4578, 95.3815



80.3050, 82.4578, 112.6429



85.9950, 82.4578, 84.4071



76.4735, 82.4578, 70.2454

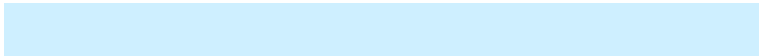


# Rectangle

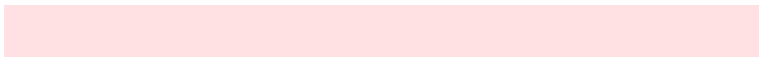
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2165, 82.4578, 95.3815



75.1386, 82.4578, 110.9959



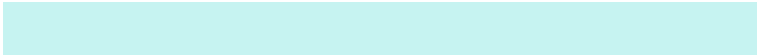
85.9950, 82.4578, 84.4071



81.7003, 82.4578, 71.4603

# Sweetspot

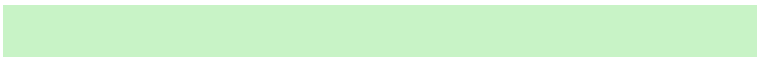
The Sweet Spot groups the original color and five complimentary colors.



71.2189, 82.4612, 95.3834



89.5339, 97.1690, 108.0705



66.1324, 80.4956, 65.4793



19.0411, 20.7351, 23.1125



0.0000, 0.0000, 0.0000

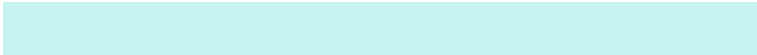


20.3446, 21.4041, 23.3091

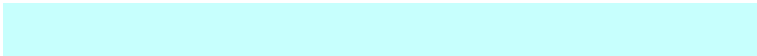


# Same Dimension

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



71.2189, 82.4612, 95.3834



76.9372, 90.7086, 105.9673



65.7898, 71.1214, 95.0582



16.9630, 18.7443, 21.0893



25.6127, 38.3899, 48.1079



2.2608, 3.3780, 4.2793



# Inverse Universe

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



67.5845, 63.6153, 63.3641



72.2298, 66.2966, 64.4932



72.2944, 73.4074, 63.7864



16.5290, 16.4945, 17.2664



20.3316, 10.4761, 1.1884

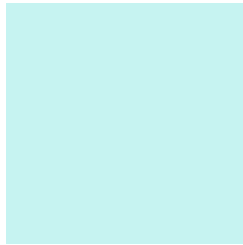


1.7973, 0.9249, 0.1588



# Previews

## White Background



This preview shows how the XYZ color 71.2165, 82.4578, 95.3815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

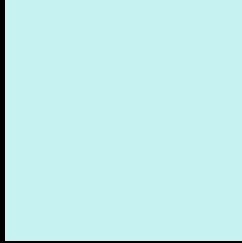
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2165, 82.4578, 95.3815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

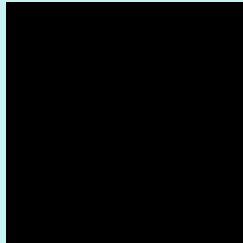
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

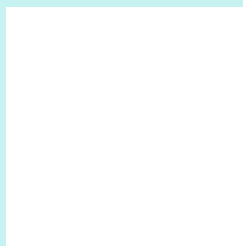
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.2165, 82.4578, 95.3815**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2165, 82.4578, 95.3815.



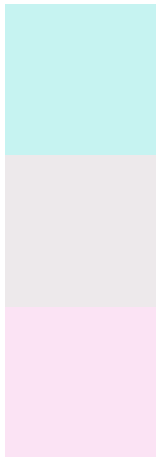
This preview shows how white text looks on a background with the XYZ color 71.2165, 82.4578,

95.3815.

# 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

71.2165, 82.4578, 95.3815

### Protanopia

79.0594, 82.2805, 90.3121

### Deuteranopia

83.5819, 81.9791, 97.0063



## Tritanopia

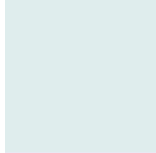
74.9289, 82.3629, 106.5562

# Trichromacy



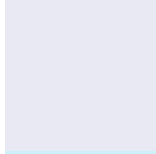
## Original Color

71.2165, 82.4578, 95.3815



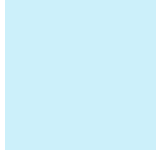
## Protanomaly

76.0017, 82.3708, 92.0142



## Deuteranomaly

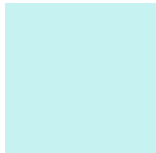
78.5953, 81.9047, 96.4608



## Tritanomaly

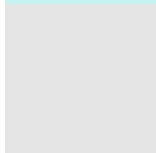
73.3172, 82.0597, 102.4174

# Monochromacy



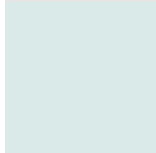
## Original Color

71.2165, 82.4578, 95.3815



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

73.0442, 79.6343, 88.6119

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2165, 82.4578, 95.3815 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(198, 243, 241)` looks like.

```
.text, #text, p{  
    color:rgb(198, 243, 241)  
}
```

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(198, 243, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 243, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2165, 82.4578, 95.3815 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(198, 243, 241) }
```



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

```
.border{ border-color:rgb(198, 243, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 243, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 243, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 243, 241);  
box-shadow:4px 4px 4px 4px rgb(198, 243,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2165, 82.4578, 95.3815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 243, 241) }
```

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

```
.background{ background-color: rgb(198,  
243, 241) }
```

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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