

# Converting Colors

XYZ(71.6027, 82.8695, 98.5015)

Have a look what the booklet for  
XYZ(71.6027, 82.8695, 98.5015)  
contains.

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# Color

**XYZ(71.8581, 83.1643,  
98.6512)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5F4F5
RGB	197, 244, 245
RGB Percent	77%, 96%, 96%
CMY	0.2274, 0.0431, 0.0392
CMYK	0.20, 0.00, 0.00, 0.04
HSL	181°, 71%, 87%
HSV	181°, 20%, 96%
XYZ	71.8581, 83.1643, 98.6512
YIQ	230.0610, -28.3330, -9.6530

# Conversions

## Conversions Part 2

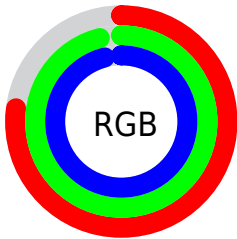
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 221, 245
Decimal	12973301
CIE <sub>Lab</sub>	93.09, -14.71, -5.45
CIE <sub>LCh</sub>	93, 15.683, 200.329
Y <sub>xy</sub>	83.1643, 0.2833, 0.3278
Android (android.graphics.Color)	4291163381 (0xFFC5F4F5)
Y <sub>UV</sub>	230.0610, 7.3649, -28.9945
Hunter-Lab	91.1945, -18.9384, -0.3019

# Details

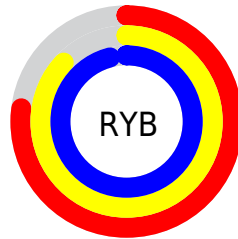
The XYZ color **71.8581, 83.1643, 98.6512** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9291, 63.8320, 61.5655**, and the grayscale version is **75.2232, 79.1406, 86.1841**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **38.3239, 45.3913, 54.8856** is the 20% darker color. If you saturate the color by 10%, you get **65.8047, 79.8189, 98.3259**, and if you desaturate by 10%, it is **78.9593, 87.0548, 99.0292**.

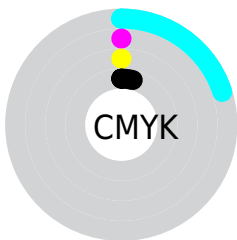
# Distribution



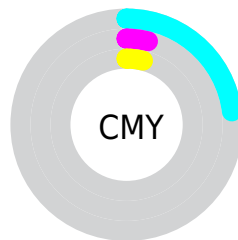
- Red (77%)
- Green (96%)
- Blue (96%)



- Red (77%)
- Yellow (87%)
- Blue (96%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (23%)
- Magenta (4%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8581, 83.1643, 98.6512 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 71.8581, 83.1643, 98.6512 by changing the saturation by 10% instead.



71.8581, 83.1643,  
98.6512

71.8581, 83.1643,  
98.6512

456.2128,  
505.5339, 577.0693

53.3278, 62.3257,  
74.5640

120.8667,  
137.8056, 161.3381

38.2931, 45.2959,  
54.7562

152.0756,  
172.3770, 200.7748

26.3885, 31.6906,  
38.8093

188.2416,  
212.2948, 246.1651

17.2487, 21.1253,  
26.3047

229.7298,  
257.9435, 297.9275

10.5084, 13.2156,  
16.8239

276.9057,  
309.7073, 356.4806

5.8021, 7.5772,  
9.9484

330.1346,

2.7646, 3.8256,

367.9707, 422.2429

5.2596

389.7819,  
433.1181, 495.6330

■ 1.0306, 1.5765,  
2.3390

■ 0.0000, 0.3417,  
0.7529

■ 71.8581, 83.1643,  
98.6512

■ 71.8581, 83.1643,  
98.6512

■ 65.8047, 79.8189,  
98.3259

■ 78.9593, 87.0548,  
99.0292

■ 60.7417, 76.9825,  
98.0452

■ 87.1480, 91.5045,  
99.4565

■ 56.6169, 74.6304,  
97.8086

■ 90.5350, 93.4794,  
99.6592

■ 53.3707, 72.7318,  
97.6133

■ 90.6896, 93.7885,  
99.7107

50.9365, 71.2525,  
97.4560

90.8446, 94.0985,  
99.7624

49.2384, 70.1533,  
97.3334

91.0000, 94.4094,  
99.8142

48.1859, 69.3875,  
97.2410

91.1559, 94.7211,  
99.8661

47.6352, 68.8810,  
97.1723

91.3122, 95.0336,  
99.9182

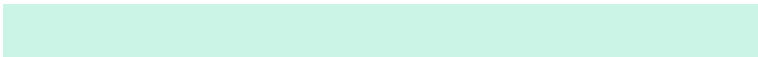
47.6165, 68.8623,  
97.1697

91.4689, 95.3470,  
99.9704

# Harmonies

## Analogous

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



71.5019, 83.1643, 86.7995



71.8581, 83.1643, 98.6512



74.1028, 83.1643, 109.1300

# Triad

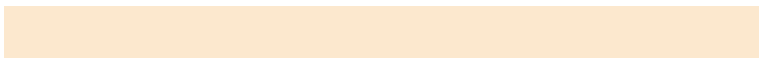
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8581, 83.1643, 98.6512



85.2907, 83.1643, 105.7955



80.3813, 83.1643, 70.0074

# Complementary

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



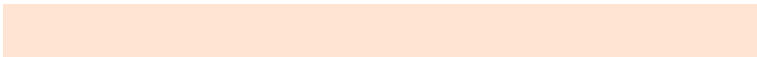
71.8581, 83.1643, 98.6512



67.9291, 63.8320, 61.5655

# 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.



84.2026, 83.1643, 74.2116



71.8581, 83.1643, 98.6512



87.1012, 83.1643, 94.4107

# Square

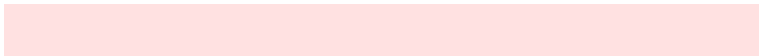
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.8581, 83.1643, 98.6512



81.8249, 83.1643, 113.4965



86.6962, 83.1643, 82.9083

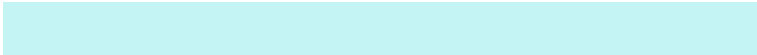


76.3292, 83.1643, 70.9287

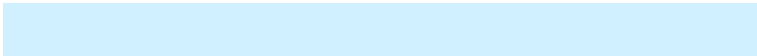


# Rectangle

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



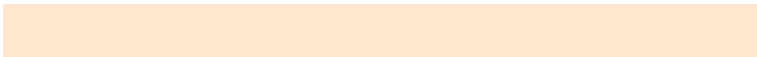
71.8581, 83.1643, 98.6512



76.4125, 83.1643, 113.5999



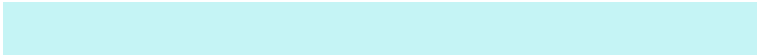
86.6962, 83.1643, 82.9083



81.7376, 83.1643, 70.8532

# Sweetspot

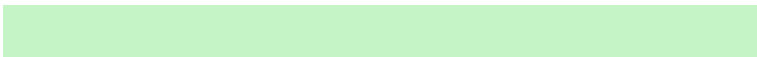
The Sweet Spot groups the original color and five complimentary colors.



71.8605, 83.1677, 98.6531



89.5421, 97.0103, 108.6132



65.8498, 81.2446, 65.5179



19.0431, 20.6975, 23.2413



0.0000, 0.0000, 0.0000

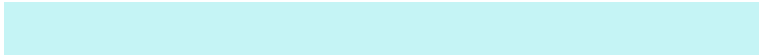


20.3446, 21.4041, 23.3091

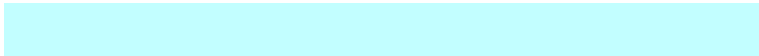


# Same Dimension

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



71.8605, 83.1677, 98.6531



75.6028, 89.3747, 107.8741



65.1546, 69.7559, 96.4178



16.9655, 18.6953, 21.2569



25.6652, 37.1241, 52.3510



2.2649, 3.2813, 4.6042



# Inverse Universe

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



73.9535, 65.8784, 94.4100



78.3333, 66.8930, 102.3217



73.8039, 75.5816, 63.5237



17.1979, 16.7620, 20.7887



28.7591, 13.8471, 45.5673

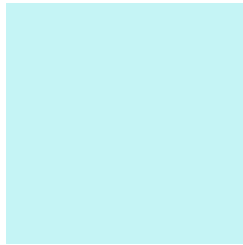


2.5323, 1.2189, 4.0295



# Previews

## White Background



This preview shows how the XYZ color 71.8581, 83.1643, 98.6512 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

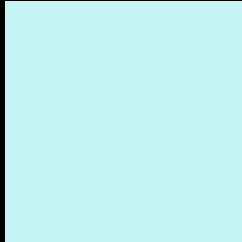
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.8581, 83.1643, 98.6512 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 71.8581, 83.1643, 98.6512**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.8581, 83.1643, 98.6512.



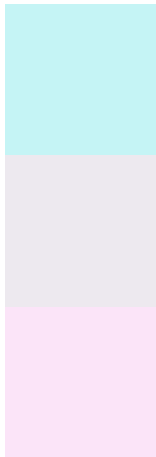
This preview shows how white text looks on a background with the XYZ color 71.8581, 83.1643,



# 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

71.8581, 83.1643, 98.6512

### Protanopia

79.6440, 82.5143, 93.3905

### Deuteranopia

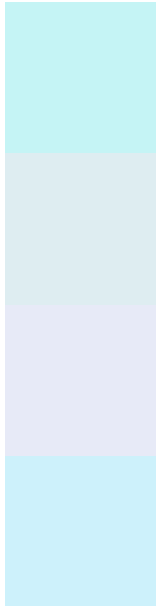
84.4703, 82.7733, 100.3317



## **Tritanopia**

75.5046, 83.0955, 106.6673

# Trichromacy



## Original Color

71.8581, 83.1643, 98.6512

## Protanomaly

76.2856, 82.4488, 95.1126

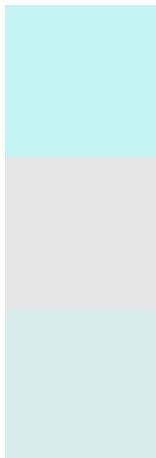
## Deuteranomaly

79.1663, 82.5500, 99.7569

## Tritanomaly

74.0447, 82.8548, 103.3568

# Monochromacy



## Original Color

71.8581, 83.1643, 98.6512

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

73.6172, 80.3202, 90.2206

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.8581, 83.1643, 98.6512 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(197, 244, 245)` looks like.

```
.text, #text, p{  
    color:rgb(197, 244, 245)  
}
```

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(197, 244, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 244, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 71.8581, 83.1643, 98.6512 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(197, 244, 245) }
```



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

```
.border{ border-color:rgb(197, 244, 245) }
```

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

Here you see how a box with a 4 pixel rgb(197, 244, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 244, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 244, 245);  
box-shadow:4px 4px 4px 4px rgb(197, 244,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.8581, 83.1643, 98.6512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 244, 245) }
```

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

```
.background{ background-color: rgb(197,  
244, 245) }
```

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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