

# Converting Colors

XYZ(72.9857, 84.7966, 98.4853)

Have a look what the booklet for  
XYZ(72.9857, 84.7966, 98.4853)  
contains.

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# Color

**XYZ(72.8381, 84.5853,  
98.0756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7F6F4
RGB	199, 246, 244
RGB Percent	78%, 96%, 96%
CMY	0.2196, 0.0353, 0.0431
CMYK	0.19, 0.00, 0.01, 0.04
HSL	177°, 72%, 87%
HSV	177°, 19%, 96%
XYZ	72.8381, 84.5853, 98.0756
YIQ	231.7190, -27.3700, -10.5860

# Conversions

## Conversions Part 2

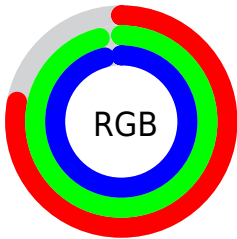
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 223, 246
Decimal	13104884
CIE <sub>Lab</sub>	93.70, -15.31, -4.01
CIE <sub>LCh</sub>	94, 15.823, 194.665
Yxy	84.5853, 0.2851, 0.3311
Android (android.graphics.Color)	4291294964 (0xFFC7F6F4)
YUV	231.7190, 6.0545, -28.6946
Hunter-Lab	91.9703, -19.5805, 1.1533

# Details

The XYZ color **72.8381, 84.5853, 98.0756** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.9751, 64.6591, 64.1070**, and the grayscale version is **76.4645, 80.4466, 87.6064**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9922, 46.3870, 54.4754** is the 20% darker color. If you saturate the color by 10%, you get **66.6732, 81.4277, 96.9601**, and if you desaturate by 10%, it is **80.0640, 88.2941, 99.2490**.

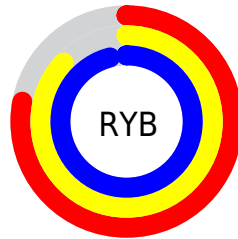
# Distribution



Red (78%)

Green (96%)

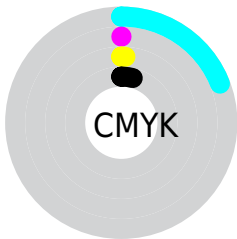
Blue (96%)



Red (78%)

Yellow (87%)

Blue (96%)

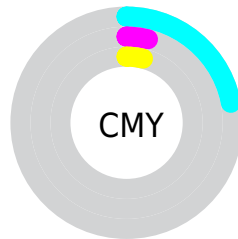


Cyan (19%)

Magenta (0%)

Yellow (1%)

Black (4%)



Cyan (22%)

Magenta (4%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8381, 84.5853, 98.0756 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 72.8381, 84.5853, 98.0756 by changing the saturation by 10% instead.



72.8381, 84.5853,  
98.0756

72.8381, 84.5853,  
98.0756

459.5660,  
510.2548, 575.1990

54.1315, 63.4988,  
74.0865

122.2517,  
139.7936, 160.5388

38.9379, 46.2448,  
54.3676

153.6894,  
174.6842, 199.8500

26.8919, 32.4391,  
38.5005

190.1016,  
214.9450, 245.1056

17.6282, 21.6971,  
26.0665

231.8535,  
260.9603, 296.7242

10.7815, 13.6345,  
16.6472

279.3105,  
313.1145, 355.1243

5.9863, 7.8669,  
9.8240

332.8381,

2.8773, 4.0099,

371.7921, 420.7244

5.1783

392.8014,  
437.3774, 493.9431

■ 1.0892, 1.6791,  
2.2917

■ 0.0161, 0.4101,  
0.7266

■ 72.8381, 84.5853,  
98.0756

■ 72.8381, 84.5853,  
98.0756

■ 66.6732, 81.4277,  
96.9601

■ 80.0640, 88.2941,  
99.2490

■ 61.5112, 78.7849,  
95.8945

■ 88.3906, 92.5681,  
100.4770

■ 57.2998, 76.6320,  
94.8781

■ 91.0085, 93.8990,  
101.4424

■ 53.9791, 74.9381,  
93.9081

■ 91.1709, 93.9640,  
102.2978

51.4822, 73.6688,  
92.9813

91.3343, 94.0293,  
103.1579

49.7329, 72.7849,  
92.0942

91.4985, 94.0950,  
104.0228

48.6408, 72.2396,  
91.2425

91.6637, 94.1611,  
104.8926

48.0691, 71.9625,  
90.4199

91.8298, 94.2275,  
105.7671

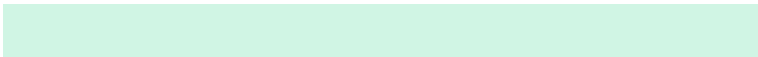
48.0280, 71.9428,  
90.3470

91.9968, 94.2943,  
106.6465

# Harmonies

## Analogous

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



72.8609, 84.5853, 86.1207



72.8381, 84.5853, 98.0756



74.7913, 84.5853, 109.3214

# Triad

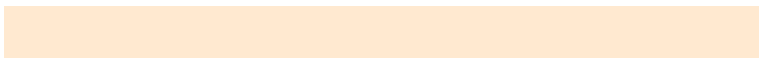
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8381, 84.5853, 98.0756



86.2037, 84.5853, 109.5356



82.5491, 84.5853, 71.5582

# Complementary

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



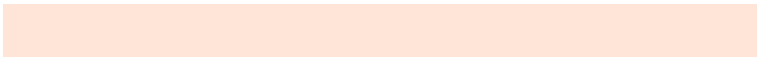
72.8381, 84.5853, 98.0756



68.9751, 64.6591, 64.1070

# 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.



86.2735, 84.5853, 76.7876



72.8381, 84.5853, 98.0756



88.4330, 84.5853, 98.3478

# Square

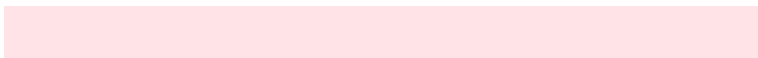
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8381, 84.5853, 98.0756



82.4564, 84.5853, 116.3182



88.4590, 84.5853, 86.3703



78.3698, 84.5853, 71.4991

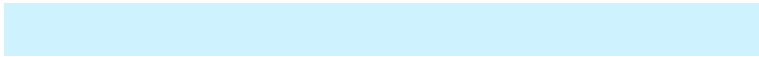


# Rectangle

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



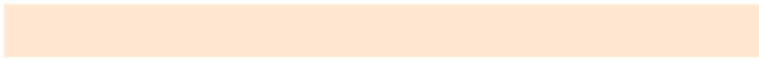
72.8381, 84.5853, 98.0756



76.9915, 84.5853, 114.6091



88.4590, 84.5853, 86.3703



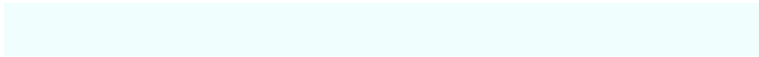
83.8989, 84.5853, 72.7480

# Sweetspot

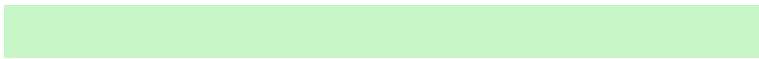
The Sweet Spot groups the original color and five complimentary colors.



72.8405, 84.5888, 98.0775



89.5386, 97.1709, 108.0950



67.4487, 82.5046, 66.4045



19.0422, 20.7356, 23.1183



0.0000, 0.0000, 0.0000

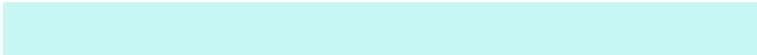


20.3446, 21.4041, 23.3091

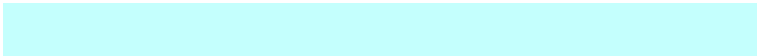


# Same Dimension

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



72.8405, 84.5888, 98.0775



76.2662, 90.3628, 105.9339



67.0749, 72.5680, 97.6646



16.9644, 18.7449, 21.0969



25.6482, 38.4041, 48.2944



2.2635, 3.3791, 4.2936



# Inverse Universe

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



68.9751, 64.6591, 64.1070



71.3503, 65.0145, 62.7298



73.9504, 74.9845, 64.6102



16.5278, 16.4940, 17.2597



20.3296, 10.4753, 1.1783

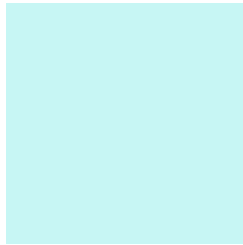


1.7966, 0.9246, 0.1556



# Previews

## White Background



This preview shows how the XYZ color 72.8381, 84.5853, 98.0756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

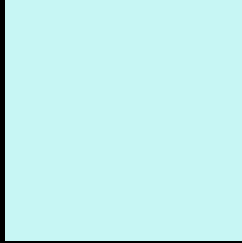
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8381, 84.5853, 98.0756 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

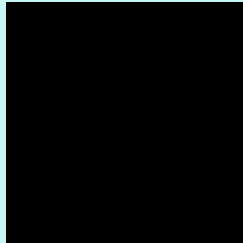
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.8381, 84.5853, 98.0756**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8381, 84.5853, 98.0756.



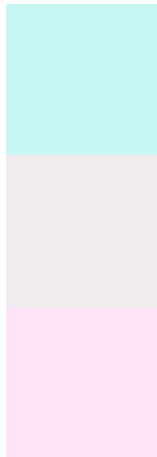
This preview shows how white text looks on a background with the XYZ color 72.8381, 84.5853,

98.0756.

# 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

72.8381, 84.5853, 98.0756

### Protanopia

81.0761, 84.1150, 92.8516

### Deuteranopia

85.6809, 83.8249, 99.6596



## Tritanopia

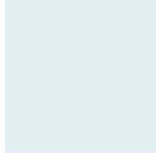
77.2369, 84.4267, 106.8329

# Trichromacy



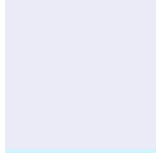
## Original Color

72.8381, 84.5853, 98.0756



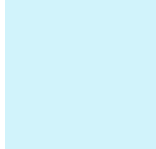
## Protanomaly

77.6460, 84.0318, 94.5655



## Deuteranomaly

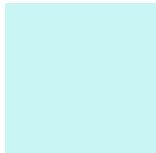
80.2746, 83.5629, 99.0871



## Tritanomaly

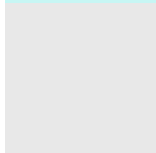
75.7577, 84.6215, 103.6075

# Monochromacy



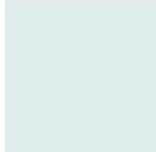
## Original Color

72.8381, 84.5853, 98.0756



## Achromatopsia

76.7008, 80.6952, 87.8771



## Achromatomaly

74.9397, 81.8401, 91.2039

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8381, 84.5853, 98.0756 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(199, 246, 244)` looks like.

```
.text, #text, p{  
    color:rgb(199, 246, 244)  
}
```

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(199, 246, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 246, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8381, 84.5853, 98.0756 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(199, 246, 244) }
```



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

```
.border{ border-color:rgb(199, 246, 244) }
```

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

Here you see how a box with a 4 pixel rgb(199, 246, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 246, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 246, 244);  
box-shadow:4px 4px 4px 4px rgb(199, 246,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8381, 84.5853, 98.0756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 246, 244) }
```

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

```
.background{ background-color: rgb(199,  
246, 244) }
```

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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