

Converting Colors

XYZ(85.9451, 100.0000,
107.3291)

Have a look what the booklet for
XYZ(85.9451, 100.0000, 107.3291)
contains.

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Color

**XYZ(83.0048, 93.8275,
106.6642)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFFFD
RGB	220, 255, 253
RGB Percent	86%, 100%, 99%
CMY	0.1372, 0.0000, 0.0078
CMYK	0.14, 0.00, 0.01, 0.00
HSL	177°, 100%, 93%
HSV	177°, 14%, 100%
XYZ	83.0048, 93.8275, 106.6642
YIQ	244.3070, -20.2180, -8.0420

Conversions

Conversions Part 2

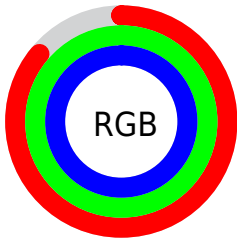
Format	Color
R _Y B	220, 238, 255
Decimal	14483453
CIE Lab	97.56, -11.57, -2.83
CIE LCh	98, 11.912, 193.767
Yxy	93.8275, 0.2928, 0.3310
Android (android.graphics.Color)	4292673533 (0xFFDCFFFD)
YUV	244.3070, 4.2856, -21.3172
Hunter-Lab	96.8646, -16.5536, 2.5170

Details

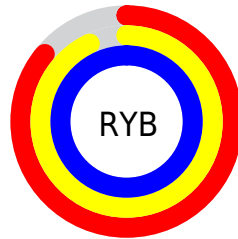
The XYZ color **83.0048, 93.8275, 106.6642** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0186, 77.7215, 79.8918**, and the grayscale version is **86.2128, 90.7026, 98.7752**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6749, 52.3730, 59.9262** is the 20% darker color. If you saturate the color by 10%, you get **75.6360, 90.0554, 105.1145**, and if you desaturate by 10%, it is **91.5544, 98.2080, 108.2813**.

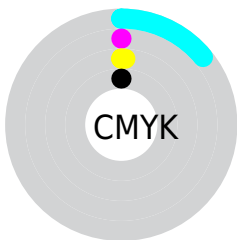
Distribution



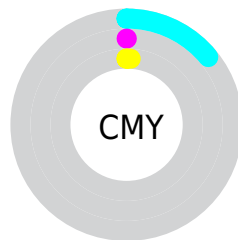
- Red (86%)
- Green (100%)
- Blue (99%)



- Red (86%)
- Yellow (93%)
- Blue (100%)



- Cyan (14%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.0048, 93.8275, 106.6642 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 83.0048, 93.8275, 106.6642 by changing the saturation by 10% instead.


 83.0048, 93.8275,
106.6642

 83.0048, 93.8275,
106.6642


493.5862,
540.4045, 602.7821

 62.5110, 71.1595,
81.2298


136.5107,
152.6438, 172.4170

 45.7029, 52.4724,
60.1988


170.2535,
189.5608, 213.5726

 32.2151, 37.3817,
43.1526


209.1434,
231.9963, 260.8057

 21.6822, 25.5032,
29.6725

253.5457,
280.3346, 314.5347

 13.7388, 16.4523,
19.3402

303.8258,
334.9602, 375.1784

 8.0197, 9.8448,
11.7371

360.3490,

 4.1595, 5.2962,

396.2575, 443.1551

6.4446

423.4807,
464.6108, 518.8835

■ 1.7928, 2.4221,
3.0441

■ 0.5133, 0.8372,
1.1172

■ 83.0048, 93.8275,
106.6642

■ 83.0048, 93.8275,
106.6642

■ 75.6360, 90.0554,
105.1145

■ 91.5544, 98.2080,
108.2813

■ 69.3921, 86.8630,
103.6253

95.0500, 100.0000,
108.9000

■ 64.2167, 84.2213,
102.1952

■ 60.0475, 82.0981,
100.8214

■ 56.8159, 80.4580,
99.5007

■ 54.4445, 79.2612,
98.2294

■ 52.8436, 78.4614,
97.0032

■ 51.9039, 78.0022,
95.8171

■ 51.5537, 77.8375,
95.0886

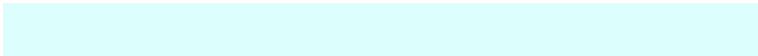
Harmonies

Analogous

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



83.0739, 93.8275, 97.0380



83.0048, 93.8275, 106.6642



84.5606, 93.8275, 115.6109

Triad

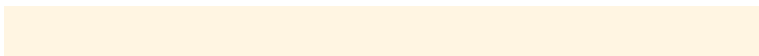
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.0048, 93.8275, 106.6642



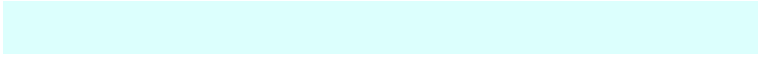
93.7602, 93.8275, 116.2280



91.0126, 93.8275, 85.2846

Complementary

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



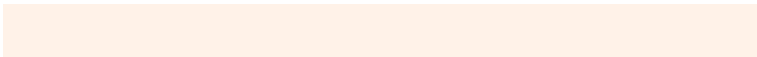
83.0048, 93.8275, 106.6642



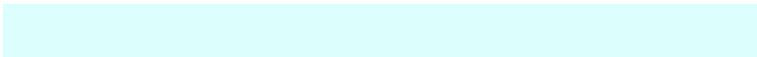
80.0186, 77.7215, 79.8918

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.



93.9651, 93.8275, 89.7991



83.0048, 93.8275, 106.6642



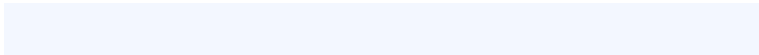
95.5786, 93.8275, 107.4637

Square

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



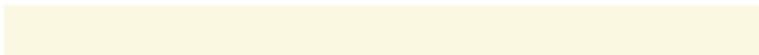
83.0048, 93.8275, 106.6642



90.7386, 93.8275, 121.3641



95.6546, 93.8275, 97.7887



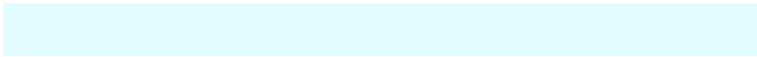
87.6398, 93.8275, 85.1006

Rectangle

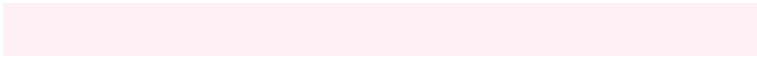
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



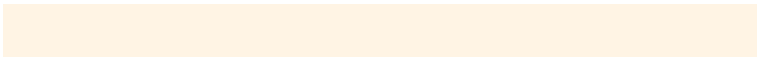
83.0048, 93.8275, 106.6642



86.3332, 93.8275, 119.8175



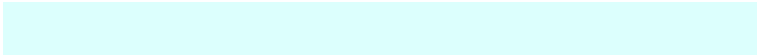
95.6546, 93.8275, 97.7887



92.0892, 93.8275, 86.3325

Sweetspot

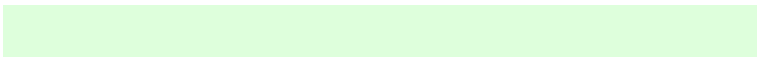
The Sweet Spot groups the original color and five complimentary colors.



83.0058, 93.8279, 106.6657



91.3028, 98.0791, 108.2359



78.9056, 92.2700, 81.3628



19.3964, 20.9181, 23.1405



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

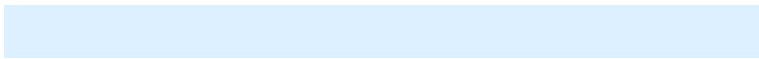
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0058, 93.8279, 106.6657



81.2271, 92.9171, 106.3072



78.6772, 84.6586, 106.8018



18.5074, 20.4625, 22.9751



26.9573, 40.6795, 49.7878



2.6379, 3.9661, 4.9167

Inverse Universe

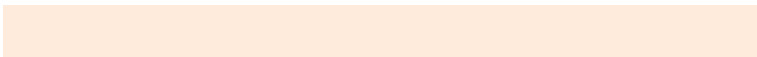
The Inverse Universe completely reimagines the original color for something new.



80.0186, 77.7215, 79.8918



77.8005, 74.4397, 75.5930



83.9150, 85.9403, 79.8770



18.0514, 18.0039, 18.8879



21.6087, 11.1328, 1.3241



2.1181, 1.0896, 0.2032

Previews

White Background



This preview shows how the XYZ color 83.0048, 93.8275, 106.6642 looks on a white background.

Color Contrast Check

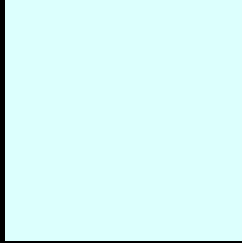
Large Text (above 18pt) WCAG AA × Fail

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 83.0048, 93.8275, 106.6642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

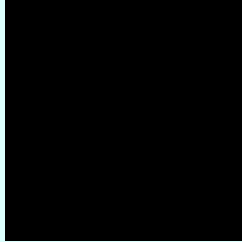
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.0048, 93.8275, 106.6642

Background



This preview shows how black text looks on a background with the XYZ color 83.0048, 93.8275, 106.6642.



This preview shows how white text looks on a background with the XYZ color 83.0048, 93.8275,

106.6642.

Color Blindness Simulation

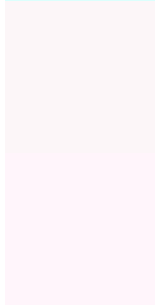
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

83.0048, 93.8275, 106.6642



Protanopia

90.0439, 93.3843, 102.0861

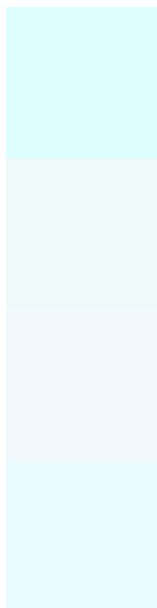
Deuteranopia

91.3050, 93.5299, 104.5076

Tritanopia

88.2013, 93.6721, 108.0396

Trichromacy



Original Color

83.0048, 93.8275, 106.6642

Protanomaly

87.0662, 93.1788, 103.8389

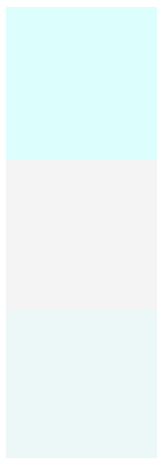
Deuteranomaly

88.0643, 93.6569, 105.5316

Tritanomaly

85.9908, 93.4738, 107.2760

Monochromacy



Original Color

83.0048, 93.8275, 106.6642

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.6169, 91.5124, 101.1996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.0048, 93.8275, 106.6642 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(220, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 253)  
}
```

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(220, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 83.0048, 93.8275, 106.6642 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(220, 255, 253) }
```


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

```
.border{ border-color:rgb(220, 255, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 253);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 83.0048, 93.8275, 106.6642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 253) }
```

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

```
.background{ background-color: rgb(220,  
255, 253) }
```

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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