

Converting Colors

XYZ(85.0074, 100.0000,
107.3400)

Have a look what the booklet for
XYZ(85.0074, 100.0000, 107.3400)
contains.

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Color

**XYZ(81.5140, 93.0589,
106.5944)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FFFD
RGB	215, 255, 253
RGB Percent	84%, 100%, 99%
CMY	0.1569, 0.0000, 0.0078
CMYK	0.16, 0.00, 0.01, 0.00
HSL	177°, 100%, 92%
HSV	177°, 16%, 100%
XYZ	81.5140, 93.0589, 106.5944
YIQ	242.8120, -23.1980, -9.1020

Conversions

Conversions Part 2

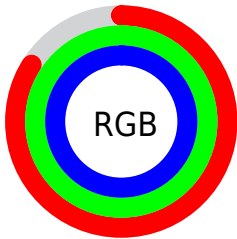
Format	Color
R _Y B	215, 236, 255
Decimal	14155773
CIE Lab	97.25, -13.11, -3.33
CIE LCh	97, 13.524, 194.244
Yxy	93.0589, 0.2899, 0.3310
Android (android.graphics.Color)	4292345853 (0xFFD7FFFD)
YUV	242.8120, 5.0227, -24.3911
Hunter-Lab	96.4670, -17.9860, 2.0125

Details

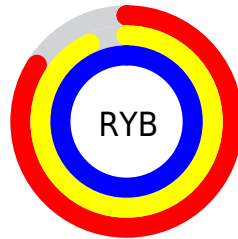
The XYZ color **81.5140, 93.0589, 106.5944** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.0656, 74.8720, 75.9835**, and the grayscale version is **85.0163, 89.4438, 97.4043**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6551, 51.8473, 59.8785** is the 20% darker color. If you saturate the color by 10%, you get **74.3988, 89.4142, 105.2069**, and if you desaturate by 10%, it is **89.7997, 97.3068, 108.0467**.

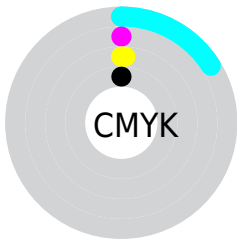
Distribution



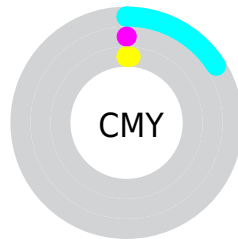
- Red (84%)
- Green (100%)
- Blue (99%)



- Red (84%)
- Yellow (93%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.5140, 93.0589, 106.5944 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 81.5140, 93.0589, 106.5944 by changing the saturation by 10% instead.

81.5140, 93.0589,
106.5944

81.5140, 93.0589,
106.5944

488.6798,
537.9319, 602.5606

61.2778, 70.5205,
81.1716

134.4316,
151.5802, 172.3209

44.7028, 51.9510,
60.1511

167.8437,
188.3318, 213.4617

31.4236, 36.9660,
43.1144

206.3785,
230.5899, 260.6790

21.0751, 25.1812,
29.6428

250.4013,
278.7389, 314.3912

13.2917, 16.2121,
19.3179

300.2775,
333.1632, 375.0169

7.7081, 9.6743,
11.7211

356.3724,

3.9589, 5.1836,

394.2472, 442.9747

6.4338

419.0513,
462.3753, 518.6831

■ 1.6789, 2.3554,
3.0376

■ 0.4430, 0.8028,
1.1139

■ 81.5140, 93.0589,
106.5944

■ 81.5140, 93.0589,
106.5944

■ 74.3988, 89.4142,
105.2069

■ 89.7997, 97.3068,
108.0467

■ 68.3970, 86.3434,
103.8771

95.0500, 100.0000,
108.9000

■ 63.4516, 83.8170,
102.6037

■ 59.4991, 81.8024,
101.3839

■ 56.4693, 80.2632,
100.2142

■ 54.2829, 79.1587,
99.0911

■ 52.8471, 78.4409,
98.0101

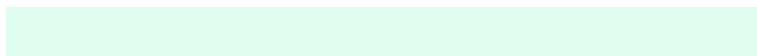
■ 52.0470, 78.0508,
96.9658

■ 51.8261, 77.9465,
96.5231

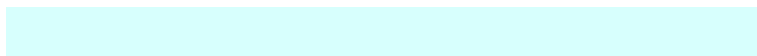
Harmonies

Analogous

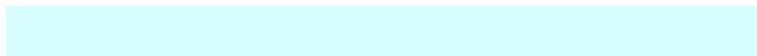
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5616, 93.0589, 95.7153



81.5140, 93.0589, 106.5944



83.2872, 93.0589, 116.7361

Triad

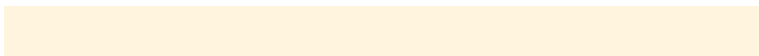
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.5140, 93.0589, 106.5944



93.6786, 93.0589, 117.1683



90.4609, 93.0589, 82.3834

Complementary

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



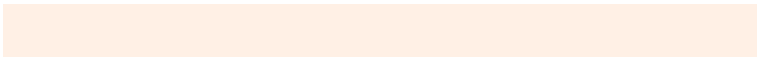
81.5140, 93.0589, 106.5944



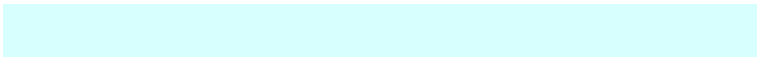
78.0656, 74.8720, 75.9835

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.



93.8212, 93.0589, 87.3343



81.5140, 93.0589, 106.5944



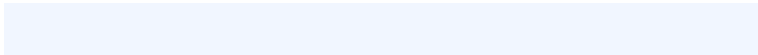
95.7151, 93.0589, 107.1504

Square

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



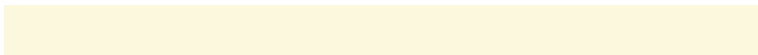
81.5140, 93.0589, 106.5944



90.2709, 93.0589, 123.1323



95.7681, 93.0589, 96.2328



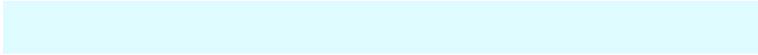
86.6532, 93.0589, 82.2582

Rectangle

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



81.5140, 93.0589, 106.5944



85.2936, 93.0589, 121.4948



95.7681, 93.0589, 96.2328



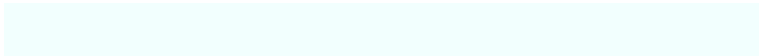
91.6827, 93.0589, 83.5216

Sweetspot

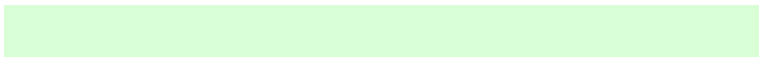
The Sweet Spot groups the original color and five complimentary colors.



81.5150, 93.0594, 106.5959



90.4114, 97.6206, 108.1485



76.6421, 91.1785, 77.8515



19.2175, 20.8260, 23.1259



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

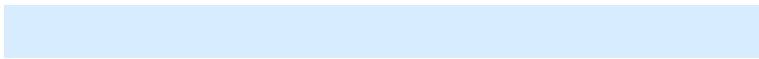
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5150, 93.0594, 106.5959



79.0293, 91.7857, 106.1288



76.3597, 82.2366, 106.4564



18.5133, 20.4649, 23.0063



27.0974, 40.7356, 50.5256



2.6500, 3.9709, 4.9805

Inverse Universe

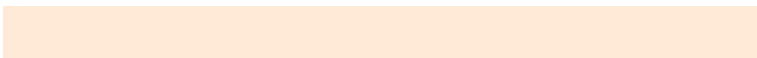
The Inverse Universe completely reimagines the original color for something new.



78.0656, 74.8720, 75.9835



74.9489, 70.2699, 69.9157



82.6454, 84.4451, 76.2354



18.0462, 18.0018, 18.8602



21.6011, 11.1297, 1.2841



2.1156, 1.0886, 0.1901

Previews

White Background



This preview shows how the XYZ color 81.5140, 93.0589, 106.5944 looks on a white background.

Color Contrast Check

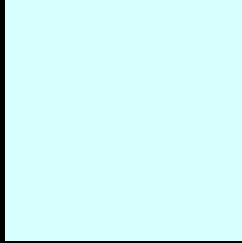
Large Text (above 18pt) WCAG AA × Fail

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 81.5140, 93.0589, 106.5944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

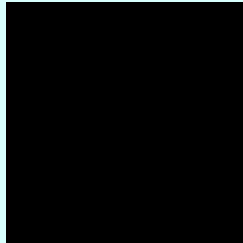
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.5140, 93.0589, 106.5944

Background



This preview shows how black text looks on a background with the XYZ color 81.5140, 93.0589, 106.5944.



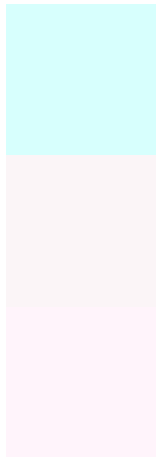
This preview shows how white text looks on a background with the XYZ color 81.5140, 93.0589,

106.5944.

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

81.5140, 93.0589, 106.5944

Protanopia

89.2246, 92.5294, 101.1530

Deuteranopia

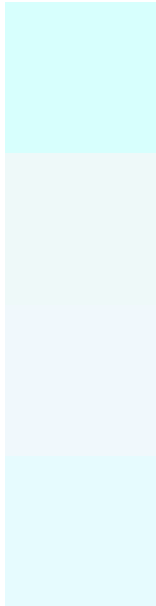
91.0033, 92.9264, 104.4070



Tritanopia

86.8773, 92.5319, 107.8893

Trichromacy



Original Color

81.5140, 93.0589, 106.5944

Protanomaly

86.2345, 92.7681, 102.9835

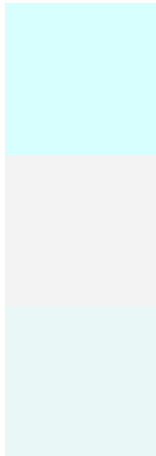
Deuteranomaly

87.0733, 92.6883, 105.3968

Tritanomaly

85.0197, 92.9731, 107.2305

Monochromacy



Original Color

81.5140, 93.0589, 106.5944

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.6535, 90.5606, 101.0666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.5140, 93.0589, 106.5944 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(215, 255, 253)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 255, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 253) }
```

Border

The CSS property to change the border of an element to XYZ 81.5140, 93.0589, 106.5944 is called "border". The border property can be set on classes, ids or directly on the HTML element.

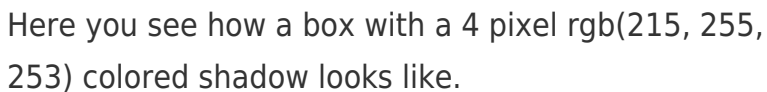
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 255, 253) }
```


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

```
.border{ border-color:rgb(215, 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(215, 255, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 255, 253); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 255, 253); box-shadow:4px 4px 4px 4px rgb(215, 255, 253) }
```

Background

The CSS property to change the background color of an element to XYZ 81.5140, 93.0589, 106.5944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 253) }
```

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

```
.background{ background-color: rgb(215,  
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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