

Converting Colors

XYZ(80.9735, 90.5850,
107.8246)

Have a look what the booklet for
XYZ(80.9735, 90.5850, 107.8246)
contains.

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Color

**XYZ(80.8509, 90.3429,
107.7844)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FAFF
RGB	217, 250, 255
RGB Percent	85%, 98%, 100%
CMY	0.1490, 0.0196, 0.0000
CMYK	0.15, 0.02, 0.00, 0.00
HSL	188°, 100%, 93%
HSV	188°, 15%, 100%
XYZ	80.8509, 90.3429, 107.7844
YIQ	240.7030, -21.2730, -5.4410

Conversions

Conversions Part 2

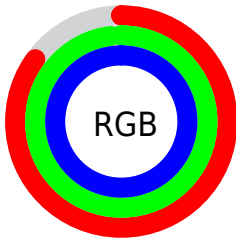
Format	Color
R _Y B	217, 235, 255
Decimal	14285567
CIE Lab	96.14, -9.60, -5.98
CIE LCh	96, 11.315, 211.919
Yxy	90.3429, 0.2898, 0.3238
Android (android.graphics.Color)	4292475647 (0xFFD9FAFF)
YUV	240.7030, 7.0484, -20.7875
Hunter-Lab	95.0489, -14.4991, -0.7000

Details

The XYZ color **80.8509, 90.3429, 107.7844** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.8853, 78.5111, 76.5911**, and the grayscale version is **83.3360, 87.6759, 95.4791**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3851, 50.3422, 60.8037** is the 20% darker color. If you saturate the color by 10%, you get **72.8173, 84.6712, 107.1130**, and if you desaturate by 10%, it is **90.0788, 96.6626, 108.5178**.

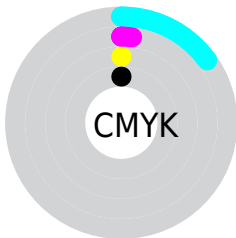
Distribution



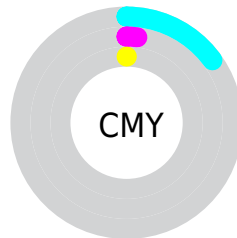
- Red (85%)
- Green (98%)
- Blue (100%)



- Red (85%)
- Yellow (92%)
- Blue (100%)



- Cyan (15%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8509, 90.3429, 107.7844 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 80.8509, 90.3429, 107.7844 by changing the saturation by 10% instead.

80.8509, 90.3429,
107.7844

80.8509, 90.3429,
107.7844

486.4888,
529.1457, 606.3307

60.7297, 68.2651,
82.1643

133.5056,
147.8146, 173.9591

44.2588, 50.1134,
60.9644

166.7699,
183.9773, 215.3509

31.0728, 35.5035,
43.7661

205.1458,
225.6037, 262.8370

20.8064, 24.0510,
30.1508

248.9989,
273.0782, 316.8359

13.0942, 15.3715,
19.7000

298.6943,
326.7853, 377.7661

7.5709, 9.0805,
11.9953

354.5975,

3.8711, 4.7937,

387.1093, 446.0464

6.6180

417.0739,
454.4346, 522.0950

■ 1.6295, 2.1267,
3.1496

■ 0.4115, 0.6796,
1.1715

■ 80.8509, 90.3429,
107.7844

■ 80.8509, 90.3429,
107.7844

■ 72.8173, 84.6712,
107.1130

■ 90.0788, 96.6626,
108.5178

■ 65.9172, 79.6088,
106.4996

95.0500, 100.0000,
108.9000

■ 60.0952, 75.1294,
105.9418

■ 55.2882, 71.2003,
105.4368

■ 51.4266, 67.7855,
104.9812

■ 48.4316, 64.8442,
104.5713

■ 46.2117, 62.3291,
104.2029

■ 44.6542, 60.1820,
103.8705

■ 44.0333, 59.1866,
103.7111

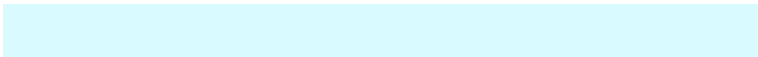
Harmonies

Analogous

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



79.9814, 90.3429, 98.9475



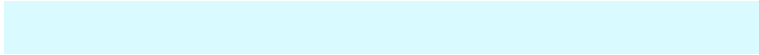
80.8509, 90.3429, 107.7844



83.0609, 90.3429, 114.4052

Triad

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



80.8509, 90.3429, 107.7844



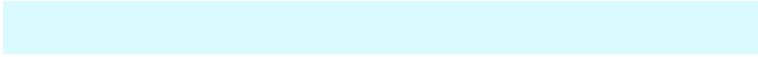
91.2991, 90.3429, 106.7233



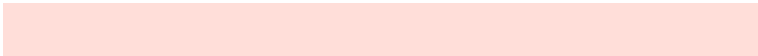
85.6664, 90.3429, 82.0978

Complementary

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



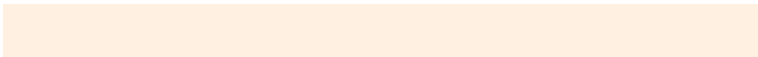
80.8509, 90.3429, 107.7844



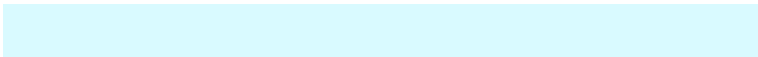
79.8853, 78.5111, 76.5911

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.



88.7381, 90.3429, 83.9044



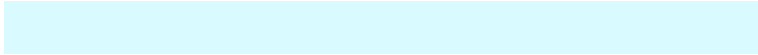
80.8509, 90.3429, 107.7844



92.0370, 90.3429, 97.7909

Square

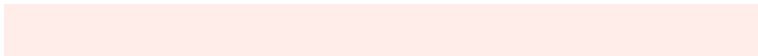
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8509, 90.3429, 107.7844



89.0961, 90.3429, 113.7668



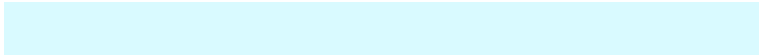
91.0889, 90.3429, 89.5168



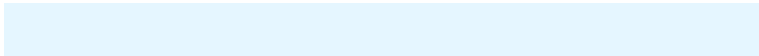
82.7193, 90.3429, 84.4256

Rectangle

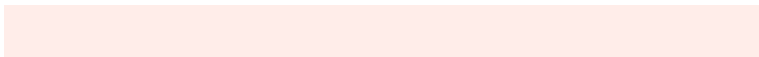
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



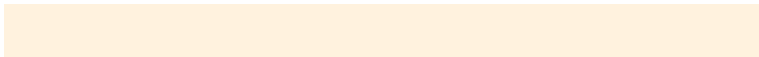
80.8509, 90.3429, 107.7844



85.0233, 90.3429, 116.4762



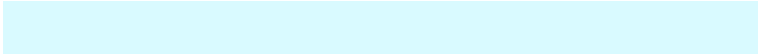
91.0889, 90.3429, 89.5168



86.7187, 90.3429, 82.2413

Sweetspot

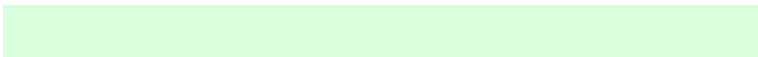
The Sweet Spot groups the original color and five complimentary colors.



80.8532, 90.3465, 107.7849



90.9702, 97.2640, 108.5869



77.4853, 91.5158, 82.2917



19.3119, 20.7109, 23.2297



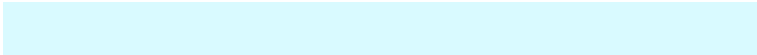
0.0000, 0.0000, 0.0000



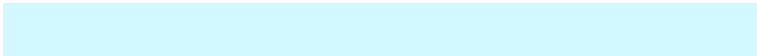
20.3446, 21.4041, 23.3091

Same Dimension

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



80.8532, 90.3465, 107.7849



78.2381, 88.5205, 107.5703



75.4013, 79.4426, 105.9676



18.3392, 20.0500, 23.1534



23.0877, 31.0850, 54.2177



2.3021, 3.1350, 5.2970

Inverse Universe

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



83.3096, 77.7895, 101.0707



81.1586, 73.7475, 99.5522



85.0528, 88.8461, 78.3136



18.6839, 18.2569, 22.2183



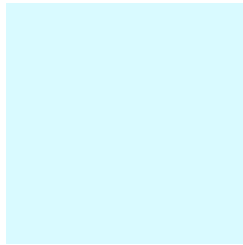
28.4418, 13.8660, 37.3066



2.7966, 1.3610, 3.7764

Previews

White Background



This preview shows how the XYZ color 80.8509, 90.3429, 107.7844 looks on a white background.

Color Contrast Check

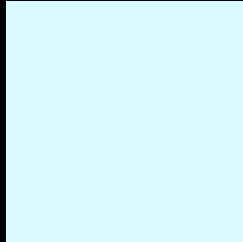
Large Text (above 18pt) WCAG AA × Fail

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 80.8509, 90.3429, 107.7844 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 80.8509, 90.3429, 107.7844

Background



This preview shows how black text looks on a background with the XYZ color 80.8509, 90.3429, 107.7844.

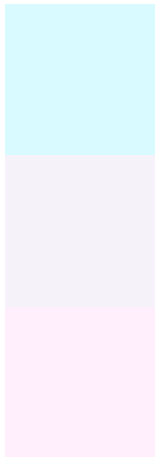


This preview shows how white text looks on a background with the XYZ color 80.8509, 90.3429,

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

80.8509, 90.3429, 107.7844

Protanopia

87.0135, 89.9992, 103.2280

Deuteranopia

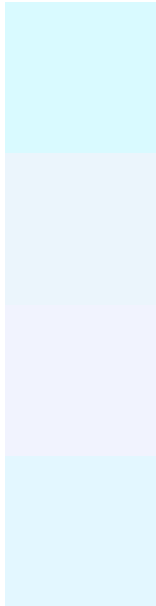
89.8361, 90.0849, 105.5817



Tritanopia

84.6100, 90.4552, 107.6079

Trichromacy



Original Color

80.8509, 90.3429, 107.7844

Protanomaly

84.4840, 89.9953, 105.0135

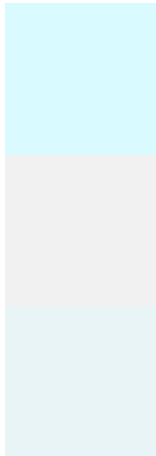
Deuteranomaly

86.2156, 89.9577, 106.5855

Tritanomaly

82.9893, 90.0724, 107.6195

Monochromacy



Original Color

80.8509, 90.3429, 107.7844

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.2639, 88.5110, 99.9373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8509, 90.3429, 107.7844 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(217, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 250, 255)  
}
```

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(217, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.8509, 90.3429, 107.7844 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(217, 250, 255) }
```


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

```
.border{ border-color:rgb(217, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8509, 90.3429, 107.7844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 250, 255) }
```

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

```
.background{ background-color: rgb(217,  
250, 255) }
```

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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