

Converting Colors

XYZ(81.7352, 90.4666,
116.5039)

Have a look what the booklet for
XYZ(81.7352, 90.4666, 116.5039)
contains.

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Color

**XYZ(80.2599, 90.0383,
107.7567)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FAFF
RGB	215, 250, 255
RGB Percent	84%, 98%, 100%
CMY	0.1569, 0.0196, 0.0000
CMYK	0.16, 0.02, 0.00, 0.00
HSL	187°, 100%, 92%
HSV	187°, 16%, 100%
XYZ	80.2599, 90.0383, 107.7567
YIQ	240.1050, -22.4650, -5.8650

Conversions

Conversions Part 2

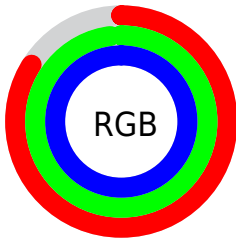
Format	Color
R _Y B	215, 234, 255
Decimal	14154495
CIE Lab	96.01, -10.22, -6.18
CIE LCh	96, 11.942, 211.180
Yxy	90.0383, 0.2886, 0.3238
Android (android.graphics.Color)	4292344575 (0xFFD7FAFF)
YUV	240.1050, 7.3432, -22.0171
Hunter-Lab	94.8885, -15.0736, -0.9086

Details

The XYZ color **80.2599, 90.0383, 107.7567** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.0984, 77.3512, 75.0529**, and the grayscale version is **82.8656, 87.1810, 94.9401**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9820, 50.1344, 60.7849** is the 20% darker color. If you saturate the color by 10%, you get **72.3671, 84.5152, 107.1067**, and if you desaturate by 10%, it is **89.3411, 96.2036, 108.4681**.

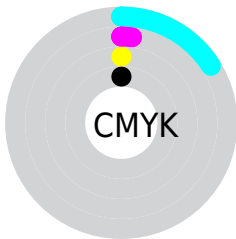
Distribution



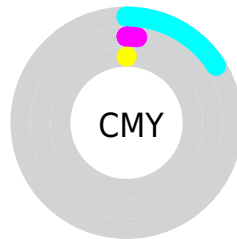
- Red (84%)
- Green (98%)
- Blue (100%)



- Red (84%)
- Yellow (92%)
- Blue (100%)



- Cyan (16%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.2599, 90.0383, 107.7567 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 80.2599, 90.0383, 107.7567 by changing the saturation by 10% instead.


 80.2599, 90.0383,
107.7567

 80.2599, 90.0383,
107.7567


484.5315,
528.1554, 606.2431

 60.2414, 68.0124,
82.1412


132.6797,
147.3916, 173.9210

 43.8635, 49.9078,
60.9454


165.8117,
183.4878, 215.3070

 30.7606, 35.3402,
43.7509

204.0457,
225.0429, 262.7868

 20.5676, 23.9250,
30.1389

247.7469,
272.4412, 316.7790

 12.9189, 15.2780,
19.6911

297.2807,
326.0673, 377.7022

 7.4494, 9.0147,
11.9889

353.0125,

 3.7935, 4.7508,

386.3054, 445.9750

6.6137

415.3077,
453.5400, 522.0157

■ 1.5860, 2.1018,
3.1469

■ 0.3833, 0.6656,
1.1701

■ 80.2599, 90.0383,
107.7567

■ 80.2599, 90.0383,
107.7567

■ 72.3671, 84.5152,
107.1067

■ 89.3411, 96.2036,
108.4681

■ 65.6018, 79.5957,
106.5137

95.0500, 100.0000,
108.9000

■ 59.9080, 75.2531,
105.9756

■ 55.2222, 71.4546,
105.4893

■ 51.4742, 68.1638,
105.0517

■ 48.5845, 65.3397,
104.6589

■ 46.4603, 62.9343,
104.3066

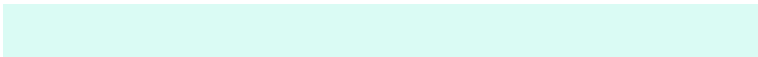
■ 44.9866, 60.8882,
103.9893

■ 44.4796, 60.0792,
103.8599

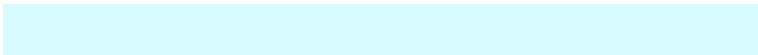
Harmonies

Analogous

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



79.3855, 90.0383, 98.4113



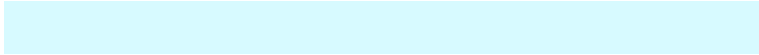
80.2599, 90.0383, 107.7567



82.5538, 90.0383, 114.8492

Triad

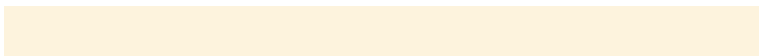
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2599, 90.0383, 107.7567



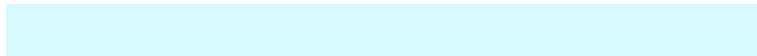
91.2638, 90.0383, 107.0675



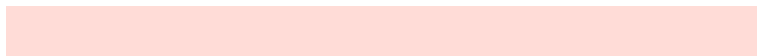
85.4480, 90.0383, 80.9545

Complementary

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



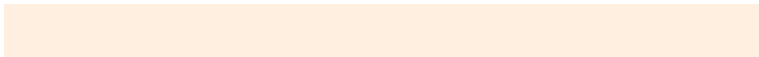
80.2599, 90.0383, 107.7567



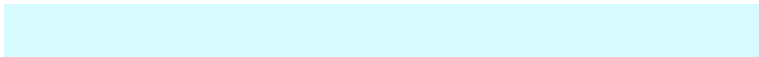
79.0984, 77.3512, 75.0529

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.



88.6766, 90.0383, 82.9501



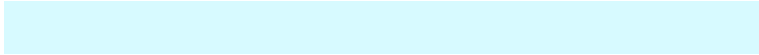
80.2599, 90.0383, 107.7567



92.0859, 90.0383, 97.6625

Square

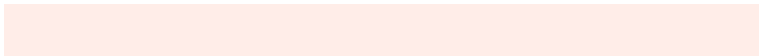
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2599, 90.0383, 107.7567



88.9087, 90.0383, 114.4337



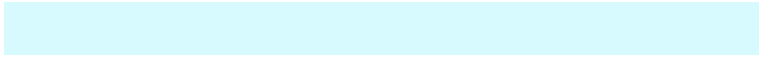
91.1274, 90.0383, 88.9190



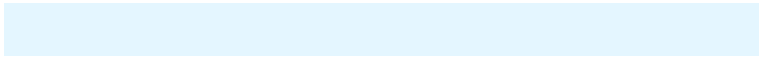
82.3330, 90.0383, 83.2855

Rectangle

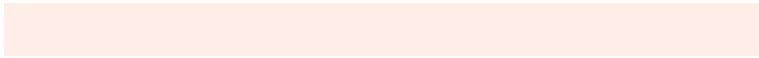
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2599, 90.0383, 107.7567



84.6087, 90.0383, 117.1285



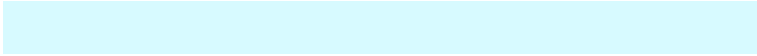
91.1274, 90.0383, 88.9190



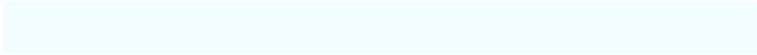
86.5561, 90.0383, 81.1406

Sweetspot

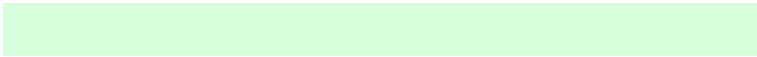
The Sweet Spot groups the original color and five complimentary colors.



80.2622, 90.0419, 107.7573



90.0080, 96.6499, 108.5191



76.6594, 91.1172, 81.0273



19.1191, 20.5891, 23.2164



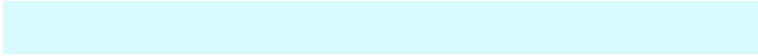
0.0000, 0.0000, 0.0000



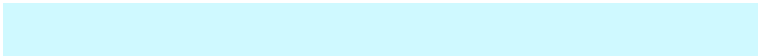
20.3446, 21.4041, 23.3091

Same Dimension

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



80.2622, 90.0419, 107.7573



77.5167, 88.1410, 107.5351



74.4651, 78.4475, 105.8249



18.3499, 20.0714, 23.1570



23.3177, 31.5449, 54.2944



2.3223, 3.1753, 5.3038

Inverse Universe

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



82.7972, 76.7645, 100.9000



80.5350, 72.5043, 99.3316



84.5683, 88.2910, 76.8762



18.6893, 18.2590, 22.2468



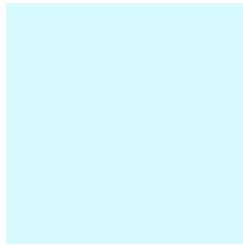
28.5579, 13.9124, 37.9179



2.8068, 1.3651, 3.8300

Previews

White Background



This preview shows how the XYZ color 80.2599, 90.0383, 107.7567 looks on a white background.

Color Contrast Check

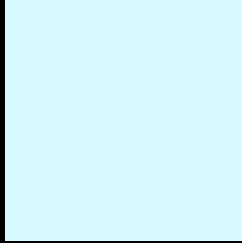
Large Text (above 18pt) WCAG AA × Fail

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 80.2599, 90.0383, 107.7567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

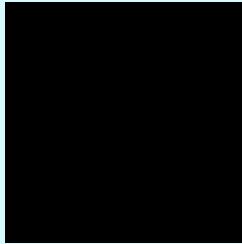
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

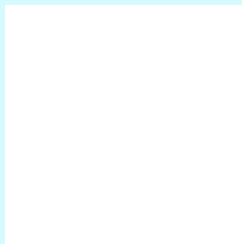
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2599, 90.0383, 107.7567

Background



This preview shows how black text looks on a background with the XYZ color 80.2599, 90.0383, 107.7567.

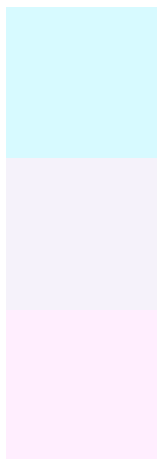


This preview shows how white text looks on a background with the XYZ color 80.2599, 90.0383,

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

80.2599, 90.0383, 107.7567

Protanopia

86.6636, 89.8189, 103.2116

Deuteranopia

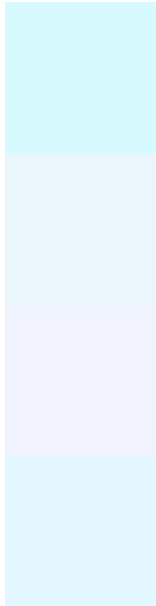
89.7039, 89.5648, 106.3258



Tritanopia

83.9811, 89.6806, 107.4916

Trichromacy



Original Color

80.2599, 90.0383, 107.7567

Protanomaly

84.1548, 89.8255, 104.9981

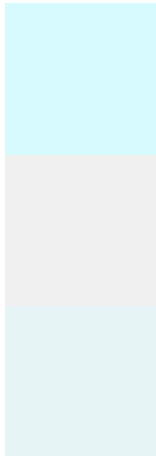
Deuteranomaly

85.5767, 89.1853, 106.4700

Tritanomaly

82.6748, 89.9103, 107.6047

Monochromacy



Original Color

80.2599, 90.0383, 107.7567

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.7871, 88.2829, 99.1159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2599, 90.0383, 107.7567 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.2599, 90.0383, 107.7567 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, 250, 255) }
```


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

```
.border{ border-color:rgb(215, 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(215, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2599, 90.0383, 107.7567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 250, 255) }
```

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

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