

Converting Colors

XYZ(80.8685, 89.3561,
107.5930)

Have a look what the booklet for
XYZ(80.8685, 89.3561, 107.5930)
contains.

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Color

**XYZ(80.8308, 89.4149,
107.6063)**

Conversions

Conversions Part 1

Format	Color
Hex	DBF8FF
RGB	219, 248, 255
RGB Percent	86%, 97%, 100%
CMY	0.1412, 0.0274, 0.0000
CMYK	0.14, 0.03, 0.00, 0.00
HSL	192°, 100%, 93%
HSV	192°, 14%, 100%
XYZ	80.8308, 89.4149, 107.6063
YIQ	240.1270, -19.5310, -3.9710

Conversions

Conversions Part 2

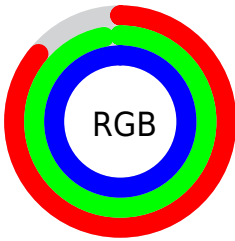
Format	Color
R_{YB}	219, 235, 255
Decimal	14416127
CIE _{Lab}	95.75, -7.98, -6.54
CIE _{LCh}	96, 10.317, 219.314
Yxy	89.4149, 0.2909, 0.3218
Android (android.graphics.Color)	4292606207 (0xFFDBF8FF)
YUV	240.1270, 7.3324, -18.5284
Hunter-Lab	94.5595, -12.8946, -1.2789

Details

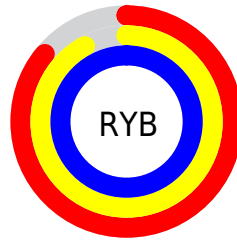
The XYZ color **80.8308, 89.4149, 107.6063** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.2220, 80.7656, 78.3278**, and the grayscale version is **82.8812, 87.1975, 94.9581**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3525, 49.6690, 60.6755** is the 20% darker color. If you saturate the color by 10%, you get **72.2363, 82.7550, 106.7738**, and if you desaturate by 10%, it is **90.6455, 96.7685, 108.5084**.

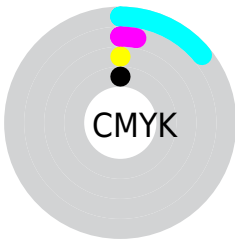
Distribution



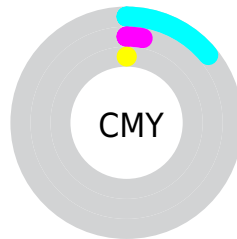
- Red (86%)
- Green (97%)
- Blue (100%)



- Red (86%)
- Yellow (92%)
- Blue (100%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.8308, 89.4149, 107.6063 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 80.8308, 89.4149, 107.6063 by changing the saturation by 10% instead.

80.8308, 89.4149,
107.6063

80.8308, 89.4149,
107.6063

486.4223,
526.1257, 605.7673

60.7131, 67.4955,
82.0157

133.4776,
146.5254, 173.7141

44.2453, 49.4874,
60.8426

166.7373,
182.4853, 215.0683

31.0621, 35.0063,
43.6684

205.1084,
223.8940, 262.5142

20.7982, 23.6677,
30.0746

248.9563,
271.1361, 316.4703

13.0882, 15.0873,
19.6427

298.6463,
324.5960, 377.3551

7.5667, 8.8807,
11.9541

354.5437,

3.8684, 4.6634,

384.6579, 445.5872

6.5903

417.0139,
451.7064, 521.5851

■ 1.6280, 2.0512,
3.1327

■ 0.4105, 0.6370,
1.1628

■ 80.8308, 89.4149,
107.6063

■ 80.8308, 89.4149,
107.6063

■ 72.2363, 82.7550,
106.7738

■ 90.6455, 96.7685,
108.5084

■ 64.8013, 76.7499,
106.0066

95.0500, 100.0000,
108.9000

■ 58.4705, 71.3729,
105.3024

■ 53.1810, 66.5912,
104.6582

■ 48.8635, 62.3687,
104.0707

■ 45.4400, 58.6645,
103.5362

■ 42.8199, 55.4316,
103.0503

■ 40.8924, 52.6123,
102.6077

■ 39.9895, 51.0990,
102.3632

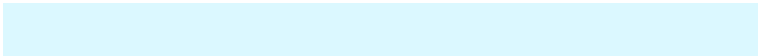
Harmonies

Analogous

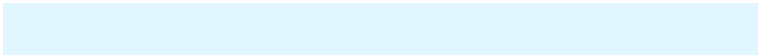
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7104, 89.4149, 99.9108



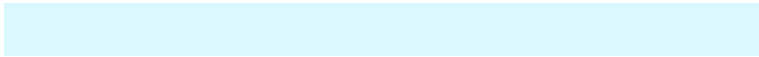
80.8308, 89.4149, 107.6063



83.0717, 89.4149, 112.7341

Triad

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



80.8308, 89.4149, 107.6063



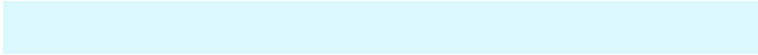
90.1980, 89.4149, 102.9874



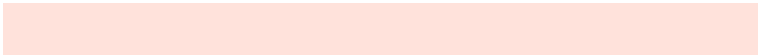
84.1054, 89.4149, 82.7254

Complementary

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



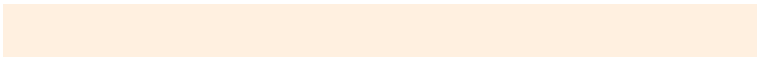
80.8308, 89.4149, 107.6063



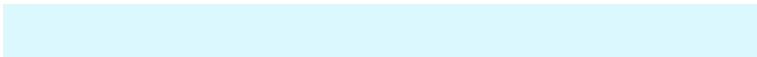
81.2220, 80.7656, 78.3278

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.



86.9299, 89.4149, 83.4471



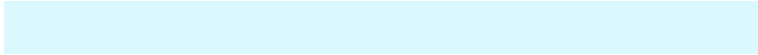
80.8308, 89.4149, 107.6063



90.4898, 89.4149, 94.8484

Square

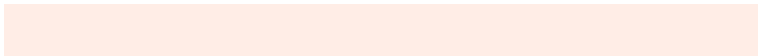
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8308, 89.4149, 107.6063



88.4932, 89.4149, 109.9659



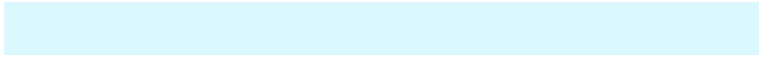
89.2816, 89.4149, 87.7813



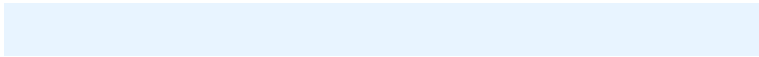
81.5731, 89.4149, 85.7519

Rectangle

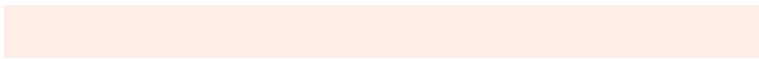
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.8308, 89.4149, 107.6063



84.9208, 89.4149, 113.8483



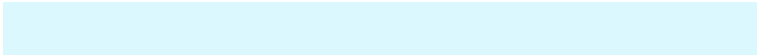
89.2816, 89.4149, 87.7813



85.0516, 89.4149, 82.5416

Sweetspot

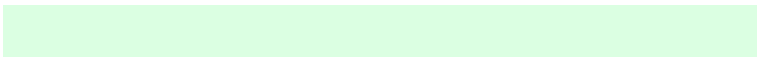
The Sweet Spot groups the original color and five complimentary colors.



80.8331, 89.4185, 107.6069



90.7674, 96.8585, 108.5193



78.6470, 92.0496, 85.2876



19.2604, 20.6080, 23.2126



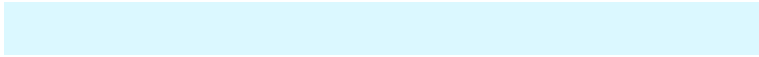
0.0000, 0.0000, 0.0000



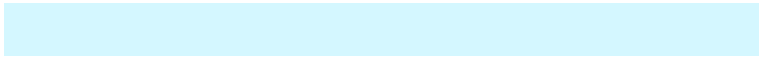
20.3446, 21.4041, 23.3091

Same Dimension

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



80.8331, 89.4185, 107.6069



78.2321, 87.4280, 107.3598



75.6728, 79.0978, 105.8868



18.2373, 19.8462, 23.1194



21.0017, 26.9131, 53.5224



2.1181, 2.7668, 5.2357

Inverse Universe

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



83.5162, 78.7018, 99.6005



81.4193, 74.8615, 97.8121



86.2571, 90.8359, 80.0062



18.6324, 18.2363, 21.9475



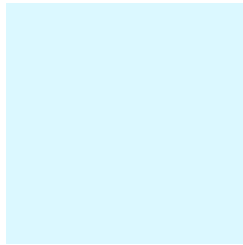
27.3889, 13.4449, 31.7621



2.7037, 1.3239, 3.2871

Previews

White Background



This preview shows how the XYZ color 80.8308, 89.4149, 107.6063 looks on a white background.

Color Contrast Check

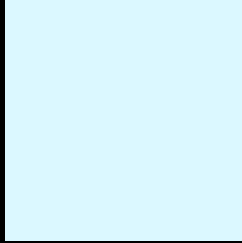
Large Text (above 18pt) WCAG AA × Fail

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 80.8308, 89.4149, 107.6063 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 80.8308, 89.4149, 107.6063

Background



This preview shows how black text looks on a background with the XYZ color 80.8308, 89.4149, 107.6063.



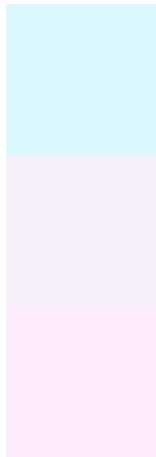
This preview shows how white text looks on a background with the XYZ color 80.8308, 89.4149,

107.6063.

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

80.8308, 89.4149, 107.6063

Protanopia

86.1761, 89.1087, 103.9245

Deuteranopia

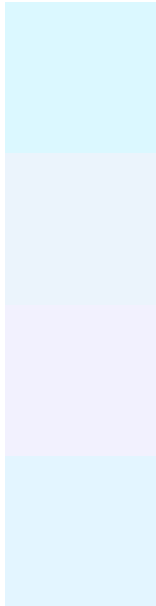
89.4136, 88.9841, 106.2290



Tritanopia

83.6794, 89.0772, 107.3910

Trichromacy



Original Color

80.8308, 89.4149, 107.6063

Protanomaly

84.1823, 89.3918, 104.9129

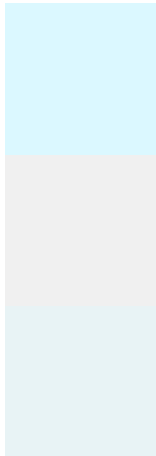
Deuteranomaly

85.9626, 88.9436, 106.4030

Tritanomaly

82.3810, 88.8557, 107.4167

Monochromacy



Original Color

80.8308, 89.4149, 107.6063

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

81.8107, 87.8496, 99.0310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8308, 89.4149, 107.6063 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(219, 248, 255) looks like.

```
.text, #text, p{  
    color:rgb(219, 248, 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(219, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.8308, 89.4149, 107.6063 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(219, 248, 255) }
```


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

```
.border{ border-color:rgb(219, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8308, 89.4149, 107.6063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 248, 255) }
```

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

```
.background{ background-color: rgb(219,  
248, 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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