

Converting Colors

XYZ(80.5431, 89.1164,
107.5639)

Have a look what the booklet for
XYZ(80.5431, 89.1164, 107.5639)
contains.

XYZ(80.5308, 89.2602, 107.5923)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.5308, 89.2602,
107.5923)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF8FF
RGB	218, 248, 255
RGB Percent	85%, 97%, 100%
CMY	0.1451, 0.0274, 0.0000
CMYK	0.15, 0.03, 0.00, 0.00
HSL	191°, 100%, 93%
HSV	191°, 15%, 100%
XYZ	80.5308, 89.2602, 107.5923
YIQ	239.8280, -20.1270, -4.1830

Conversions

Conversions Part 2

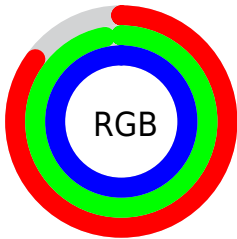
Format	Color
R _Y B	218, 235, 255
Decimal	14350591
CIE Lab	95.69, -8.29, -6.64
CIE LCh	96, 10.622, 218.686
Yxy	89.2602, 0.2903, 0.3218
Android (android.graphics.Color)	4292540671 (0xFFDAF8FF)
YUV	239.8280, 7.4798, -19.1432
Hunter-Lab	94.4776, -13.1861, -1.3859

Details

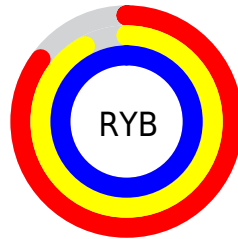
The XYZ color **80.5308, 89.2602, 107.5923** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.8196, 80.1709, 77.5461**, and the grayscale version is **82.6465, 86.9506, 94.6892**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1469, 49.5630, 60.6659** is the 20% darker color. If you saturate the color by 10%, you get **72.0214, 82.7037, 106.7752**, and if you desaturate by 10%, it is **90.2562, 96.5051, 108.4781**.

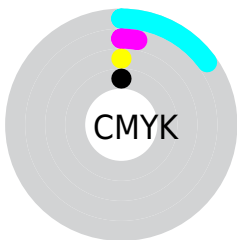
Distribution



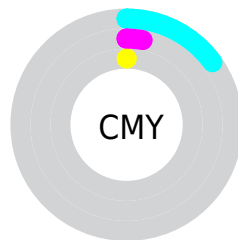
- Red (85%)
- Green (97%)
- Blue (100%)



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



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5308, 89.2602, 107.5923 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 80.5308, 89.2602, 107.5923 by changing the saturation by 10% instead.

80.5308, 89.2602,
107.5923

80.5308, 89.2602,
107.5923

485.4292,
525.6214, 605.7230

60.4652, 67.3672,
82.0040

133.0584,
146.3104, 173.6948

44.0446, 49.3831,
60.8330

166.2510,
182.2363, 215.0461

30.9036, 34.9235,
43.6607

204.5501,
223.6087, 262.4889

20.6770, 23.6039,
30.0687

248.3210,
270.8120, 316.4416

12.9992, 15.0401,
19.6382

297.9290,
324.2305, 377.3228

7.5050, 8.8475,
11.9509

353.7394,

3.8290, 4.6419,

384.2486, 445.5511

6.5881

416.1177,
451.2508, 521.5450

■ 1.6058, 2.0387,
3.1314

■ 0.3962, 0.6298,
1.1621

■ 80.5308, 89.2602,
107.5923

■ 80.5308, 89.2602,
107.5923

■ 72.0214, 82.7037,
106.7752

■ 90.2562, 96.5051,
108.4781

■ 64.6672, 76.7965,
106.0226

95.0500, 100.0000,
108.9000

■ 58.4128, 71.5121,
105.3323

■ 53.1950, 66.8176,
104.7012

■ 48.9443, 62.6766,
104.1259

■ 45.5823, 59.0483,
103.6028

■ 43.0178, 55.8851,
103.1274

■ 41.1390, 53.1291,
102.6944

■ 40.3120, 51.7439,
102.4707

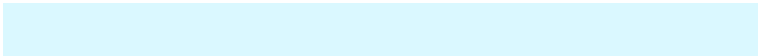
Harmonies

Analogous

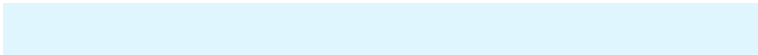
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.4082, 89.2602, 99.6384



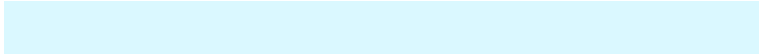
80.5308, 89.2602, 107.5923



82.8144, 89.2602, 112.9549

Triad

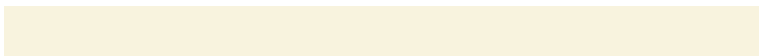
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5308, 89.2602, 107.5923



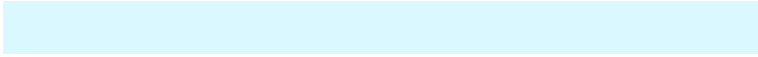
90.1789, 89.2602, 103.1527



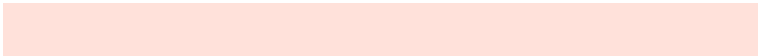
83.9939, 89.2602, 82.1422

Complementary

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



80.5308, 89.2602, 107.5923



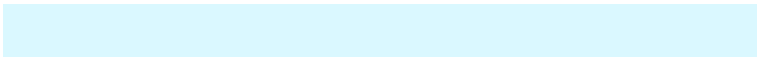
80.8196, 80.1709, 77.5461

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.



86.8967, 89.2602, 82.9633



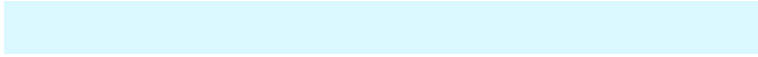
80.5308, 89.2602, 107.5923



90.5123, 89.2602, 94.7805

Square

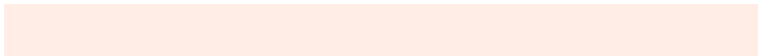
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5308, 89.2602, 107.5923



88.3978, 89.2602, 110.2912



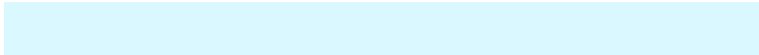
89.2985, 89.2602, 87.4792



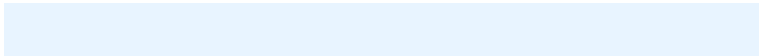
81.3773, 89.2602, 85.1682

Rectangle

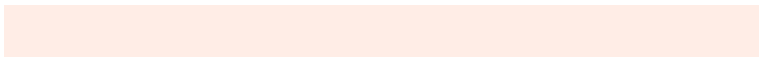
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



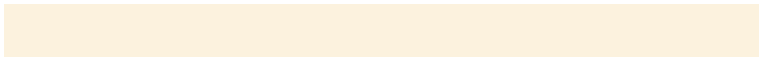
80.5308, 89.2602, 107.5923



84.7105, 89.2602, 114.1705



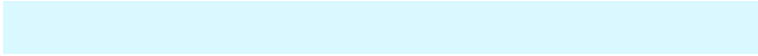
89.2985, 89.2602, 87.4792



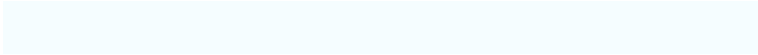
84.9679, 89.2602, 81.9812

Sweetspot

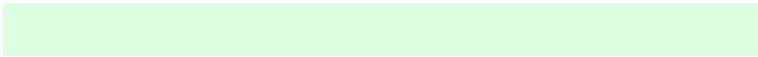
The Sweet Spot groups the original color and five complimentary colors.



80.5331, 89.2638, 107.5928



90.7843, 96.8923, 108.5250



78.2354, 91.8503, 84.6860



19.2647, 20.6166, 23.2140



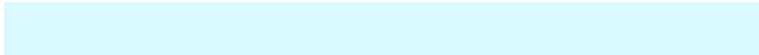
0.0000, 0.0000, 0.0000



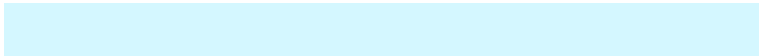
20.3446, 21.4041, 23.3091

Same Dimension

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



80.5331, 89.2638, 107.5928



78.3015, 87.5670, 107.3829



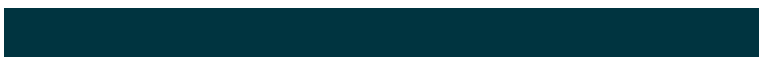
75.1826, 78.5627, 105.8093



18.2458, 19.8632, 23.1223



21.1682, 27.2461, 53.5779



2.1328, 2.7964, 5.2406

Inverse Universe

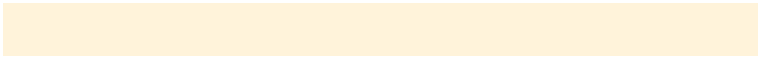
The Inverse Universe completely reimagines the original color for something new.



83.2561, 78.1816, 99.5137



81.4544, 74.8755, 97.9967



86.0308, 90.5934, 79.2832



18.6367, 18.2380, 21.9701



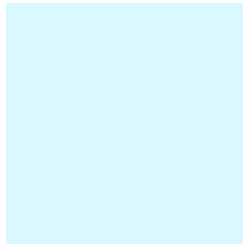
27.4730, 13.4785, 32.2047



2.7112, 1.3268, 3.3264

Previews

White Background



This preview shows how the XYZ color 80.5308, 89.2602, 107.5923 looks on a white background.

Color Contrast Check

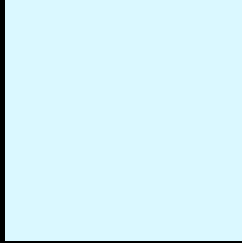
Large Text (above 18pt) WCAG AA × Fail

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 80.5308, 89.2602, 107.5923 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

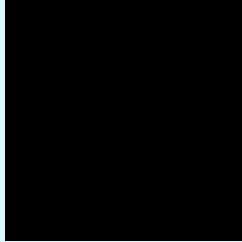
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5308, 89.2602, 107.5923

Background



This preview shows how black text looks on a background with the XYZ color 80.5308, 89.2602, 107.5923.



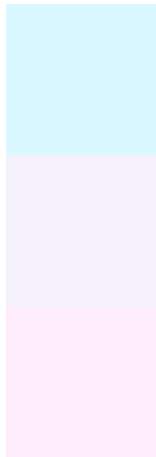
This preview shows how white text looks on a background with the XYZ color 80.5308, 89.2602,

107.5923.

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

80.5308, 89.2602, 107.5923

Protanopia

86.1761, 89.1087, 103.9245

Deuteranopia

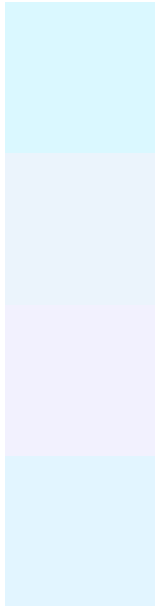
89.4136, 88.9841, 106.2290



Tritanopia

83.3557, 88.9103, 107.3758

Trichromacy



Original Color

80.5308, 89.2602, 107.5923

Protanomaly

84.1823, 89.3918, 104.9129

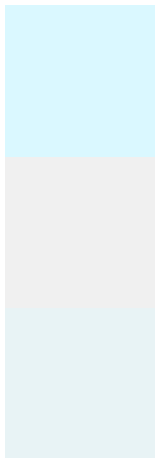
Deuteranomaly

85.9626, 88.9436, 106.4030

Tritanomaly

82.0664, 88.6936, 107.4019

Monochromacy



Original Color

80.5308, 89.2602, 107.5923

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 80.5308, 89.2602, 107.5923 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(218, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.5308, 89.2602, 107.5923 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(218, 248, 255) }
```


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

```
.border{ border-color:rgb(218, 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(218, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 248, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 248, 255); box-shadow:4px 4px 4px 4px rgb(218, 248, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5308, 89.2602, 107.5923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 248, 255) }
```

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

```
.background{ background-color: rgb(218,  
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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