

Converting Colors

XYZ(84.4343, 91.1962,
128.2160)

Have a look what the booklet for
XYZ(84.4343, 91.1962, 128.2160)
contains.

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Color

**XYZ(80.5410, 89.7231,
107.6811)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F9FF
RGB	217, 249, 255
RGB Percent	85%, 98%, 100%
CMY	0.1490, 0.0235, 0.0000
CMYK	0.15, 0.02, 0.00, 0.00
HSL	189°, 100%, 93%
HSV	189°, 15%, 100%
XYZ	80.5410, 89.7231, 107.6811
YIQ	240.1160, -20.9980, -4.9180

Conversions

Conversions Part 2

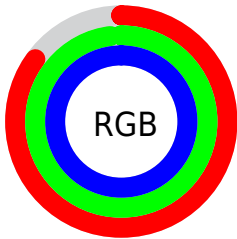
Format	Color
R_{YB}	217, 234, 255
Decimal	14285311
CIE Lab	95.88, -9.10, -6.36
CIE LCh	96, 11.105, 214.951
Yxy	89.7231, 0.2898, 0.3228
Android (android.graphics.Color)	4292475391 (0xFFD9F9FF)
YUV	240.1160, 7.3378, -20.2727
Hunter-Lab	94.7223, -13.9880, -1.0958

Details

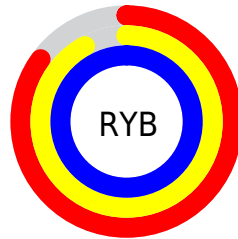
The XYZ color **80.5410, 89.7231, 107.6811** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.1517, 79.0438, 76.6799**, and the grayscale version is **82.8734, 87.1893, 94.9491**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1633, 49.8985, 60.7298** is the 20% darker color. If you saturate the color by 10%, you get **72.3095, 83.6557, 106.9438**, and if you desaturate by 10%, it is **89.9749, 96.4547, 108.4832**.

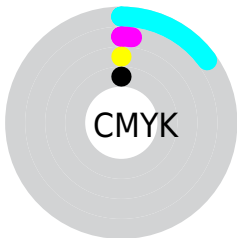
Distribution



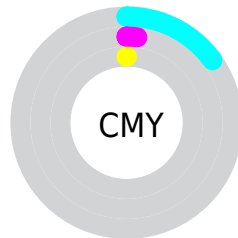
- Red (85%)
- Green (98%)
- Blue (100%)



- 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 80.5410, 89.7231, 107.6811 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 80.5410, 89.7231, 107.6811 by changing the saturation by 10% instead.

80.5410, 89.7231,
107.6811

80.5410, 89.7231,
107.6811

485.4630,
527.1297, 606.0040

60.4736, 67.7510,
82.0781

133.0726,
146.9537, 173.8170

44.0514, 49.6952,
60.8937

166.2676,
182.9810, 215.1870

30.9090, 35.1713,
43.7094

204.5691,
224.4622, 262.6498

20.6811, 23.7948,
30.1066

248.3426,
271.7816, 316.6239

13.0022, 15.1815,
19.6668

297.9534,
325.3237, 377.5278

7.5071, 8.9469,
11.9714

353.7668,

3.8303, 4.7065,

385.4728, 445.7801

6.6019

416.1482,
452.6133, 521.7993

■ 1.6066, 2.0761,
3.1398

■ 0.3967, 0.6512,
1.1664

■ 80.5410, 89.7231,
107.6811

■ 80.5410, 89.7231,
107.6811

■ 72.3095, 83.6557,
106.9438

■ 89.9749, 96.4547,
108.4832

■ 65.2196, 78.2136,
106.2670

95.0500, 100.0000,
108.9000

■ 59.2158, 73.3705,
105.6487

■ 54.2348, 69.0936,
105.0857

■ 50.2071, 65.3465,
104.5747

■ 47.0537, 62.0885,
104.1120

■ 44.6832, 59.2721,
103.6934

■ 42.9827, 56.8389,
103.3133

■ 42.2917, 55.7035,
103.1306

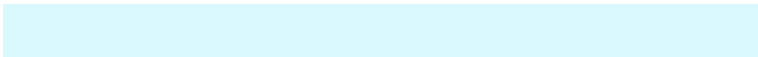
Harmonies

Analogous

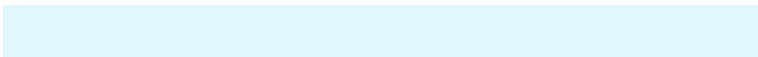
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5435, 89.7231, 99.1566



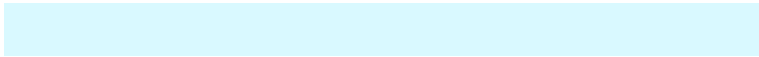
80.5410, 89.7231, 107.6811



82.8091, 89.7231, 113.7894

Triad

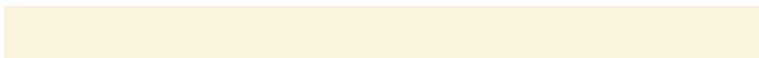
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5410, 89.7231, 107.6811



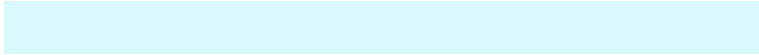
90.7284, 89.7231, 105.0122



84.7717, 89.7231, 81.8298

Complementary

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



80.5410, 89.7231, 107.6811



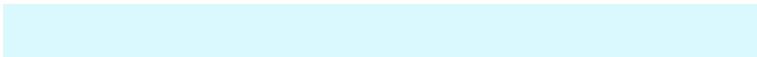
80.1517, 79.0438, 76.6799

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.



87.7978, 89.7231, 83.1914



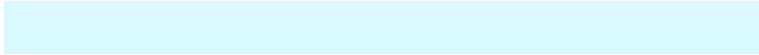
80.5410, 89.7231, 107.6811



91.2840, 89.7231, 96.2442

Square

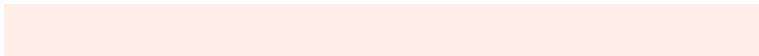
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5410, 89.7231, 107.6811



88.6988, 89.7231, 112.1850



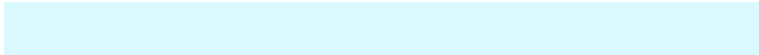
90.1995, 89.7231, 88.3428



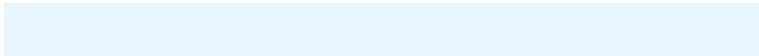
81.9485, 89.7231, 84.5065

Rectangle

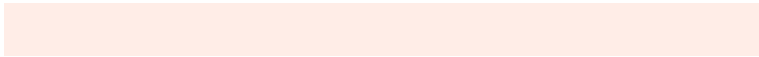
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5410, 89.7231, 107.6811



84.7617, 89.7231, 115.4819



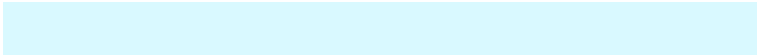
90.1995, 89.7231, 88.3428



85.7986, 89.7231, 81.8320

Sweetspot

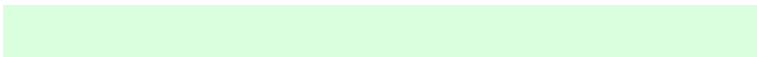
The Sweet Spot groups the original color and five complimentary colors.



80.5433, 89.7267, 107.6816



90.8852, 97.0941, 108.5586



77.6552, 91.5838, 83.1863



19.2903, 20.6678, 23.2225



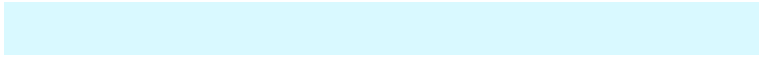
0.0000, 0.0000, 0.0000



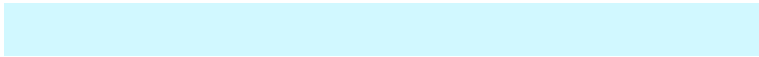
20.3446, 21.4041, 23.3091

Same Dimension

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



80.5433, 89.7267, 107.6816



77.8660, 87.7763, 107.4463



75.0469, 78.7338, 105.8495



18.2964, 19.9645, 23.1392



22.1898, 29.2893, 53.9184



2.2232, 2.9771, 5.2707

Inverse Universe

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



83.1532, 77.7269, 100.2470



80.9708, 73.6723, 98.5632



85.4279, 89.5962, 78.4387



18.6623, 18.2482, 22.1047



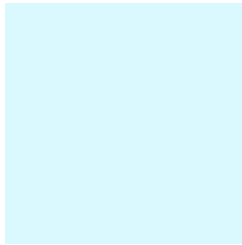
27.9886, 13.6847, 34.9201



2.7568, 1.3451, 3.5666

Previews

White Background



This preview shows how the XYZ color 80.5410, 89.7231, 107.6811 looks on a white background.

Color Contrast Check

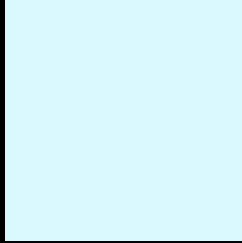
Large Text (above 18pt) WCAG AA × Fail

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 80.5410, 89.7231, 107.6811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

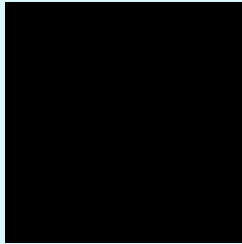
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.5410, 89.7231, 107.6811

Background



This preview shows how black text looks on a background with the XYZ color 80.5410, 89.7231, 107.6811.



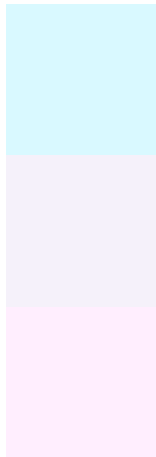
This preview shows how white text looks on a background with the XYZ color 80.5410, 89.7231,

107.6811.

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

80.5410, 89.7231, 107.6811

Protanopia

86.3668, 89.2252, 103.1126

Deuteranopia

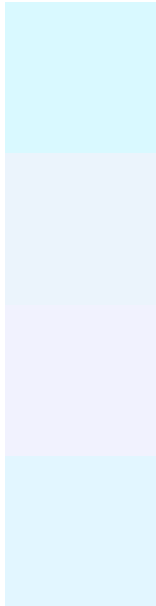
89.7039, 89.5648, 106.3258



Tritanopia

83.6574, 89.5137, 107.4764

Trichromacy



Original Color

80.5410, 89.7231, 107.6811

Protanomaly

84.1823, 89.3918, 104.9129

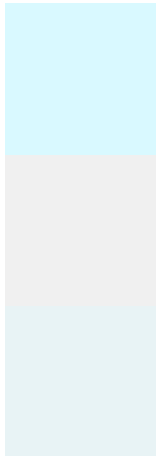
Deuteranomaly

85.9172, 89.3608, 106.4860

Tritanomaly

82.3698, 89.3003, 107.5031

Monochromacy



Original Color

80.5410, 89.7231, 107.6811

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 80.5410, 89.7231, 107.6811 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, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 249, 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, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.5410, 89.7231, 107.6811 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, 249, 255) }
```


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

```
.border{ border-color:rgb(217, 249, 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, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5410, 89.7231, 107.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 249, 255) }
```

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

```
.background{ background-color: rgb(217,  
249, 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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