

Converting Colors

XYZ(80.2959, 88.3734,
106.2811)

Have a look what the booklet for
XYZ(80.2959, 88.3734, 106.2811)
contains.

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Color

**XYZ(80.3604, 88.2829,
106.5708)**

Conversions

Conversions Part 1

Format	Color
Hex	DCF6FE
RGB	220, 246, 254
RGB Percent	86%, 96%, 100%
CMY	0.1372, 0.0353, 0.0039
CMYK	0.13, 0.03, 0.00, 0.00
HSL	194°, 94%, 93%
HSV	194°, 13%, 100%
XYZ	80.3604, 88.2829, 106.5708
YIQ	239.1380, -18.0640, -3.0240

Conversions

Conversions Part 2

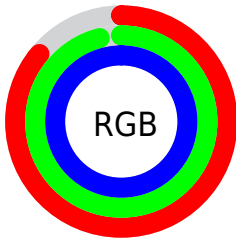
Format	Color
R _Y B	220, 235, 254
Decimal	14481150
CIE Lab	95.28, -6.86, -6.71
CIE LCh	95, 9.599, 224.369
Yxy	88.2829, 0.2920, 0.3208
Android (android.graphics.Color)	4292671230 (0xFFDCF6FE)
YUV	239.1380, 7.3270, -16.7840
Hunter-Lab	93.9590, -11.7623, -1.4770

Details

The XYZ color **80.3604, 88.2829, 106.5708** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.5354, 81.7249, 79.1890**, and the grayscale version is **82.1085, 86.3845, 94.0727**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0085, 48.8575, 59.9343** is the 20% darker color. If you saturate the color by 10%, you get **71.4620, 81.0435, 105.6439**, and if you desaturate by 10%, it is **90.4904, 96.2486, 107.5758**.

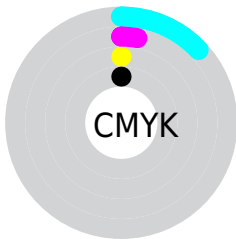
Distribution



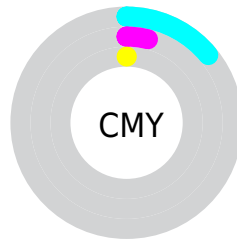
- Red (86%)
- Green (96%)
- Blue (100%)



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



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3604, 88.2829, 106.5708 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 80.3604, 88.2829, 106.5708 by changing the saturation by 10% instead.

80.3604, 88.2829,
106.5708

80.3604, 88.2829,
106.5708

484.8646,
522.4292, 602.4858

60.3245, 66.5574,
81.1520

132.8202,
144.9509, 172.2884

43.9307, 48.7250,
60.1350

165.9747,
180.6623, 213.4242

30.8137, 34.4014,
43.1015

204.2329,
221.8043, 260.6361

20.6081, 23.2021,
29.6327

247.9599,
268.7615, 314.3427

12.9487, 14.7428,
19.3103

297.5213,
321.9182, 374.9624

7.4700, 8.6391,
11.7156

353.2823,

3.8066, 4.5065,

381.6587, 442.9137

6.4302

415.6083,
448.3676, 518.6154

■ 1.5933, 1.9608,
3.0354

■ 0.3881, 0.5845,
1.1127

■ 80.3604, 88.2829,
106.5708

■ 80.3604, 88.2829,
106.5708

■ 71.4620, 81.0435,
105.6439

■ 90.4904, 96.2486,
107.5758

■ 63.7343, 74.4914,
104.7865

94.8897, 99.9359,
108.0557

■ 57.1229, 68.5998,
103.9977

■ 51.5658, 63.3360,
103.2746

■ 46.9944, 58.6639,
102.6137

■ 43.3321, 54.5431,
102.0114

■ 40.4900, 50.9269,
101.4632

■ 38.3600, 47.7586,
100.9639

■ 37.2396, 45.8557,
100.6556

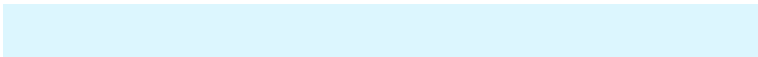
Harmonies

Analogous

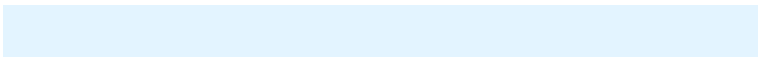
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.1242, 88.2829, 99.7501



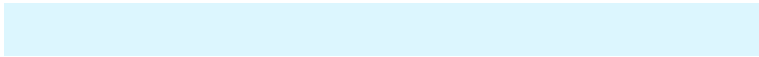
80.3604, 88.2829, 106.5708



82.5602, 88.2829, 110.6989

Triad

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



80.3604, 88.2829, 106.5708



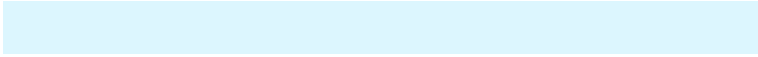
88.8556, 88.2829, 100.0650



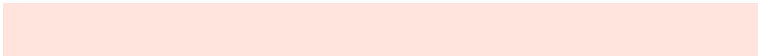
82.6663, 88.2829, 82.8155

Complementary

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



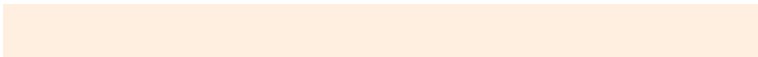
80.3604, 88.2829, 106.5708



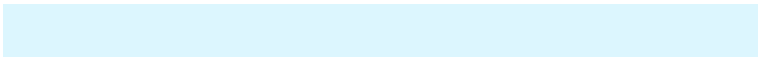
81.5354, 81.7249, 79.1890

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.



85.2749, 88.2829, 82.8900



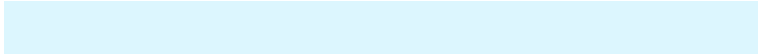
80.3604, 88.2829, 106.5708



88.8855, 88.2829, 92.5890

Square

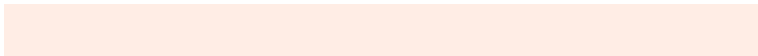
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3604, 88.2829, 106.5708



87.4824, 88.2829, 106.8116



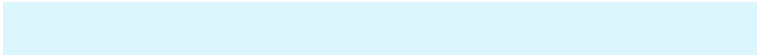
87.5631, 88.2829, 86.3852



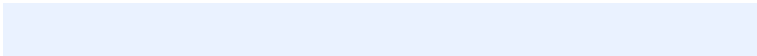
80.4366, 88.2829, 86.1762

Rectangle

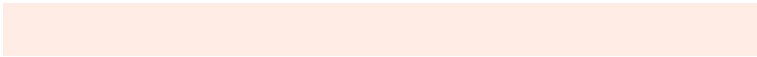
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



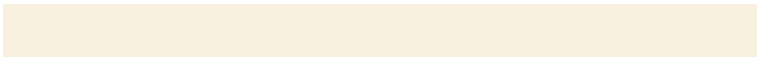
80.3604, 88.2829, 106.5708



84.2946, 88.2829, 111.2399



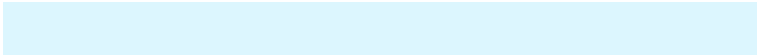
87.5631, 88.2829, 86.3852



83.5271, 88.2829, 82.4454

Sweetspot

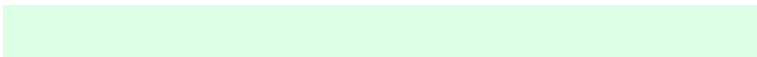
The Sweet Spot groups the original color and five complimentary colors.



80.3630, 88.2866, 106.5728



90.6359, 96.5954, 108.4755



78.9530, 91.6986, 86.8903



19.2271, 20.5412, 23.2014



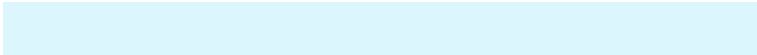
0.0000, 0.0000, 0.0000



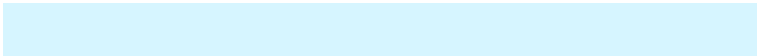
20.3446, 21.4041, 23.3091

Same Dimension

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



80.3630, 88.2866, 106.5728



78.6147, 87.0957, 107.2755



75.4440, 78.4487, 104.9331



18.1715, 19.7145, 23.0975



19.7518, 24.4132, 53.1058



2.0065, 2.5436, 5.1985

Inverse Universe

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



83.1029, 78.9130, 98.0447



81.8804, 76.0717, 97.0776



86.4251, 91.5042, 80.8189



18.5992, 18.2230, 21.7725



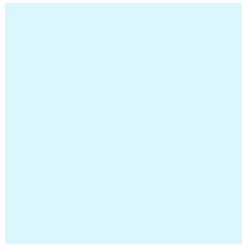
26.7580, 13.1925, 28.4398



2.6474, 1.3013, 2.9905

Previews

White Background



This preview shows how the XYZ color 80.3604, 88.2829, 106.5708 looks on a white background.

Color Contrast Check

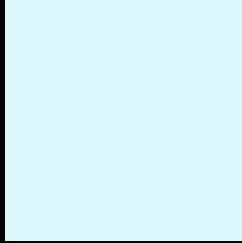
Large Text (above 18pt) WCAG AA × Fail

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 80.3604, 88.2829, 106.5708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

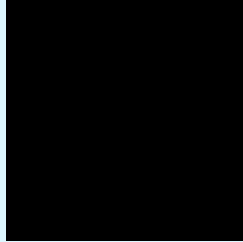
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.3604, 88.2829, 106.5708

Background



This preview shows how black text looks on a background with the XYZ color 80.3604, 88.2829, 106.5708.



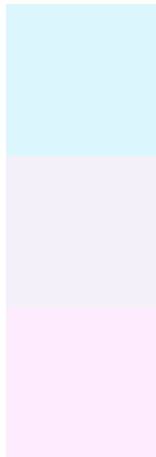
This preview shows how white text looks on a background with the XYZ color 80.3604, 88.2829,

106.5708.

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

80.3604, 88.2829, 106.5708

Protanopia

85.3776, 88.2770, 102.9818

Deuteranopia

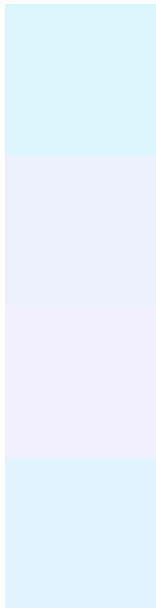
88.8377, 87.8324, 106.0370



Tritanopia

82.7337, 88.1442, 107.2607

Trichromacy



Original Color

80.3604, 88.2829, 106.5708

Protanomaly

83.4257, 88.1315, 103.8809

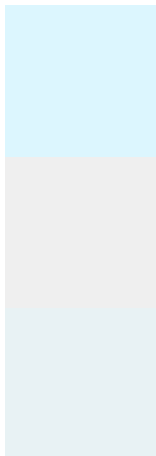
Deuteranomaly

85.3738, 87.7660, 106.2068

Tritanomaly

81.7647, 88.0901, 107.3014

Monochromacy



Original Color

80.3604, 88.2829, 106.5708

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.3600, 87.1917, 98.1295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3604, 88.2829, 106.5708 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(220, 246, 254)` looks like.

```
.text, #text, p{  
    color:rgb(220, 246, 254)  
}
```

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(220, 246, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 246, 254) }
```

Border

The CSS property to change the border of an element to XYZ 80.3604, 88.2829, 106.5708 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(220, 246, 254) }
```


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

```
.border{ border-color:rgb(220, 246, 254) }
```

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

Here you see how a box with a 4 pixel rgb(220, 246, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 246, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 246, 254);  
box-shadow:4px 4px 4px 4px rgb(220, 246,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3604, 88.2829, 106.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 246, 254) }
```

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

```
.background{ background-color: rgb(220,  
246, 254) }
```

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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