

Converting Colors

XYZ(86.6867, 86.3171,
141.3816)

Have a look what the booklet for
XYZ(86.6867, 86.3171, 141.3816)
contains.

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Color

**XYZ(80.0404, 83.7049,
106.5458)**

Conversions

Conversions Part 1

Format	Color
Hex	E4ECFF
RGB	228, 236, 255
RGB Percent	89%, 93%, 100%
CMY	0.1059, 0.0745, 0.0000
CMYK	0.11, 0.07, 0.00, 0.00
HSL	222°, 100%, 95%
HSV	222°, 11%, 100%
XYZ	80.0404, 83.7049, 106.5458
YIQ	235.7740, -10.8670, 4.2130

Conversions

Conversions Part 2

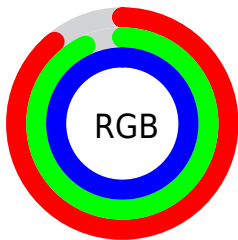
Format	Color
R_{YB}	228, 234, 255
Decimal	15002879
CIE Lab	93.32, 0.95, -10.07
CIE LCh	93, 10.117, 275.380
Yxy	83.7049, 0.2961, 0.3097
Android (android.graphics.Color)	4293192959 (0xFFE4ECFF)
YUV	235.7740, 9.4784, -6.8178
Hunter-Lab	91.4904, -3.9474, -5.0033

Details

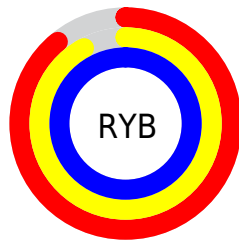
The XYZ color **80.0404, 83.7049, 106.5458** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.5038, 93.3813, 86.7602**, and the grayscale version is **79.4937, 83.6336, 91.0770**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5276, 45.4904, 59.9125** is the 20% darker color. If you saturate the color by 10%, you get **67.6314, 70.0229, 104.5590**, and if you desaturate by 10%, it is **94.1659, 99.0466, 108.7626**.

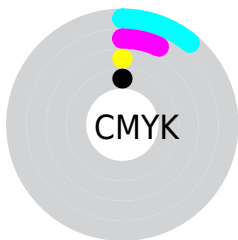
Distribution



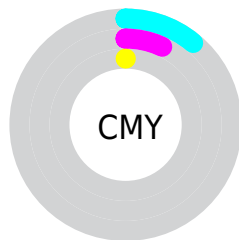
- Red (89%)
- Green (93%)
- Blue (100%)



- Red (89%)
- Yellow (92%)
- Blue (100%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0404, 83.7049, 106.5458 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 80.0404, 83.7049, 106.5458 by changing the saturation by 10% instead.

80.0404, 83.7049,
106.5458

80.0404, 83.7049,
106.5458

483.8034,
507.3328, 602.4064

60.0602, 62.7718,
81.1311

132.3728,
138.5623, 172.2540

43.7168, 45.6566,
60.1180

165.4556,
173.2554, 213.3845

30.6449, 31.9750,
43.0878

203.6367,
213.3040, 260.5908

20.4791, 21.3424,
29.6221

247.2814,
259.0924, 314.2912

12.8540, 13.3745,
19.3023

296.7551,
311.0052, 374.9045

7.4044, 7.6869,
11.7099

352.4231,

3.7649, 3.8953,

369.4265, 442.8491

6.4263

414.6507,
434.7409, 518.5436

■ 1.5700, 1.6152,
3.0331

■ 0.3727, 0.3678,
1.1115

■ 80.0404, 83.7049,
106.5458

■ 80.0404, 83.7049,
106.5458

■ 67.6314, 70.0229,
104.5590

94.1659, 99.0466,
108.7626

■ 56.8648, 57.9331,
102.7928

95.0500, 100.0000,
108.9000

■ 47.6712, 47.3781,
101.2401

■ 39.9732, 38.2932,
99.8922

■ 33.6865, 30.6085,
98.7403

■ 28.7180, 24.2482,
97.7745

■ 24.9622, 19.1279,
96.9841

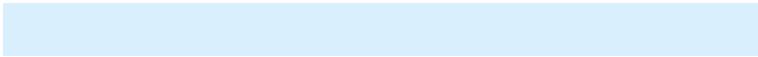
■ 22.2954, 15.1515,
96.3572

■ 20.6063, 12.3326,
95.9021

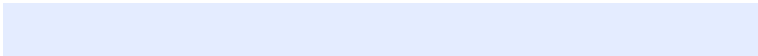
Harmonies

Analogous

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



77.4433, 83.7049, 105.1432



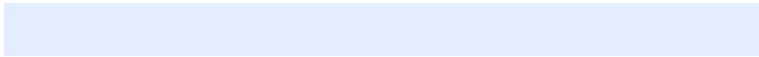
80.0404, 83.7049, 106.5458



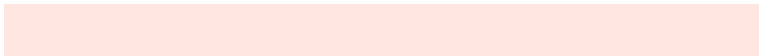
82.5629, 83.7049, 103.6370

Triad

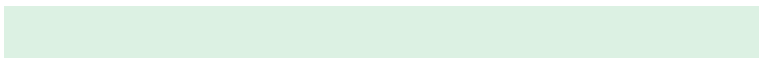
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0404, 83.7049, 106.5458



83.8105, 83.7049, 82.9048



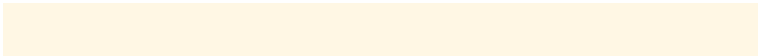
74.9910, 83.7049, 85.1623

Complementary

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



80.0404, 83.7049, 106.5458



88.5038, 93.3813, 86.7602

Split Complementary

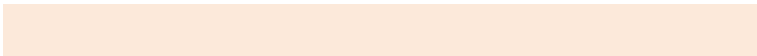
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6288, 83.7049, 79.6911



80.0404, 83.7049, 106.5458



81.7129, 83.7049, 78.4396

Square

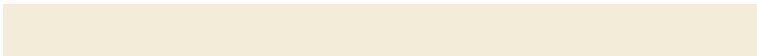
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0404, 83.7049, 106.5458



84.7705, 83.7049, 89.7714



79.0795, 83.7049, 77.2965



74.5656, 83.7049, 92.5233

Rectangle

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



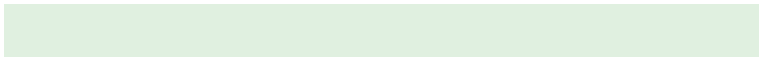
80.0404, 83.7049, 106.5458



83.8508, 83.7049, 99.7348



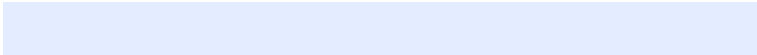
79.0795, 83.7049, 77.2965



75.4162, 83.7049, 83.0545

Sweetspot

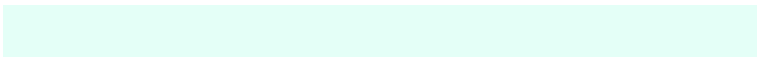
The Sweet Spot groups the original color and five complimentary colors.



80.0426, 83.7083, 106.5464



90.5983, 95.1917, 108.2065



84.5288, 94.7236, 101.7437



19.1428, 20.1054, 23.1217



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.



80.0426, 83.7083, 106.5464



76.8940, 80.2573, 106.0462



79.5297, 80.0994, 105.8768



17.4418, 18.2552, 22.8543



10.8795, 6.6685, 50.1483



1.1495, 0.8296, 4.9128

Inverse Universe

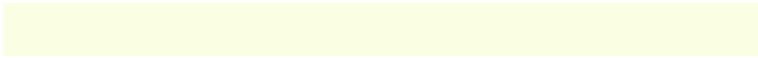
The Inverse Universe completely reimagines the original color for something new.



84.1251, 82.8045, 90.9099



81.8410, 79.2307, 87.0830



89.0452, 97.3718, 87.5019



18.2309, 18.0757, 19.8331



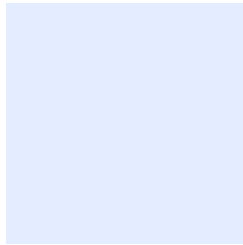
22.2797, 11.4012, 4.8572



2.2148, 1.1283, 0.7126

Previews

White Background



This preview shows how the XYZ color 80.0404, 83.7049, 106.5458 looks on a white background.

Color Contrast Check

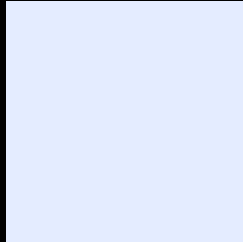
Large Text (above 18pt) WCAG AA × Fail

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 80.0404, 83.7049, 106.5458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

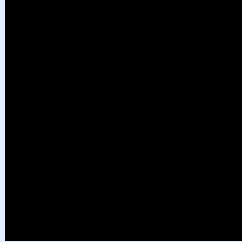
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

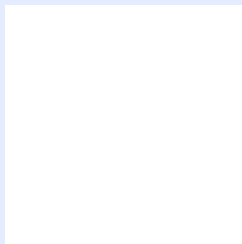
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.0404, 83.7049, 106.5458

Background



This preview shows how black text looks on a background with the XYZ color 80.0404, 83.7049, 106.5458.



This preview shows how white text looks on a background with the XYZ color 80.0404, 83.7049,

106.5458.

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

80.0404, 83.7049, 106.5458

Protanopia

81.5732, 83.6636, 105.6152

Deuteranopia

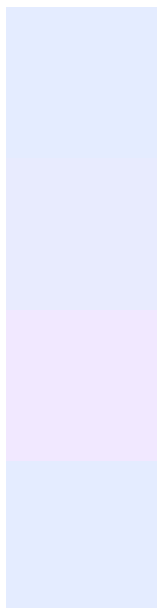
85.0582, 83.7701, 106.2939



Tritanopia

80.0404, 83.7049, 106.5458

Trichromacy



Original Color

80.0404, 83.7049, 106.5458

Protanomaly

80.8764, 83.7282, 105.6644

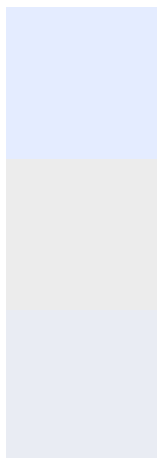
Deuteranomaly

83.1822, 83.6340, 106.3665

Tritanomaly

80.0404, 83.7049, 106.5458

Monochromacy



Original Color

80.0404, 83.7049, 106.5458

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.7774, 83.7856, 96.7615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0404, 83.7049, 106.5458 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(228, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 236, 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(228, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.0404, 83.7049, 106.5458 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(228, 236, 255) }
```


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

```
.border{ border-color:rgb(228, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0404, 83.7049, 106.5458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 236, 255) }
```

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

```
.background{ background-color: rgb(228,  
236, 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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