

Converting Colors

XYZ(81.2478, 85.3017,
109.2066)

Have a look what the booklet for
XYZ(81.2478, 85.3017, 109.2066)
contains.

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Color

**XYZ(80.6194, 84.8631,
106.7388)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EEFF
RGB	228, 238, 255
RGB Percent	89%, 93%, 100%
CMY	0.1059, 0.0666, 0.0000
CMYK	0.11, 0.07, 0.00, 0.00
HSL	218°, 100%, 95%
HSV	218°, 11%, 100%
XYZ	80.6194, 84.8631, 106.7388
YIQ	236.9480, -11.4170, 3.1670

Conversions

Conversions Part 2

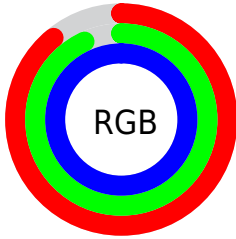
Format	Color
R _Y B	228, 235, 255
Decimal	15003391
CIE Lab	93.82, -0.08, -9.33
CIE LCh	94, 9.327, 269.514
Yxy	84.8631, 0.2962, 0.3117
Android (android.graphics.Color)	4293193471 (0xFFE4EEFF)
YUV	236.9480, 8.8996, -7.8474
Hunter-Lab	92.1212, -4.9986, -4.2132

Details

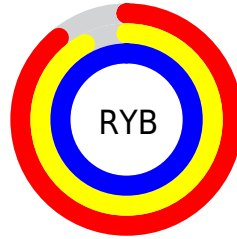
The XYZ color **80.6194, 84.8631, 106.7388** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.8952, 92.1642, 86.5571**, and the grayscale version is **80.3982, 84.5852, 92.1133**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9342, 46.3038, 60.0480** is the 20% darker color. If you saturate the color by 10%, you get **68.6522, 72.0648, 104.8993**, and if you desaturate by 10%, it is **94.2009, 99.1168, 108.7743**.

Distribution



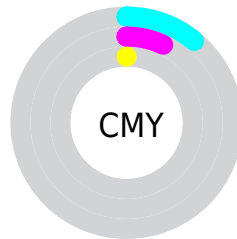
- Red (89%)
- Green (93%)
- Blue (100%)



- 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 80.6194, 84.8631, 106.7388 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 80.6194, 84.8631, 106.7388 by changing the saturation by 10% instead.

80.6194, 84.8631,
106.7388

80.6194, 84.8631,
106.7388

485.7226,
511.1750, 603.0188

60.5384, 63.7283,
81.2921

133.1822,
140.1819, 172.5198

44.1039, 46.4306,
60.2498

166.3947,
175.1346, 213.6911

30.9504, 32.5858,
43.1934

204.7151,
215.4622, 260.9411

20.7128, 21.8093,
29.7043

248.5087,
261.5488, 314.6881

13.0255, 13.7168,
19.3641

298.1409,
313.7790, 375.3509

7.5232, 7.9240,
11.7542

353.9770,

3.8406, 4.0464,

372.5372, 443.3479

6.4560

416.3825,
438.2077, 519.0977

■ 1.6124, 1.6995,
3.0511

■ 0.4005, 0.4234,
1.1208

■ 80.6194, 84.8631,
106.7388

■ 80.6194, 84.8631,
106.7388

■ 68.6522, 72.0648,
104.8993

94.2009, 99.1168,
108.7743

■ 58.2297, 60.6630,
103.2478

95.0500, 100.0000,
108.9000

■ 49.2870, 50.6098,
101.7787

■ 41.7518, 41.8504,
100.4851

■ 35.5451, 34.3258,
99.3599

■ 30.5797, 27.9717,
98.3951

■ 26.7565, 22.7166,
97.5823

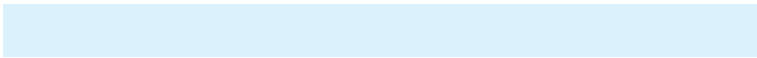
■ 23.9589, 18.4785,
96.9117

■ 22.0960, 15.3119,
96.3987

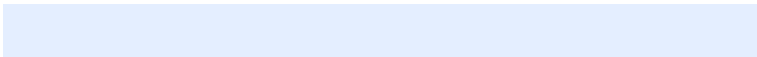
Harmonies

Analogous

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



78.2652, 84.8631, 104.6746



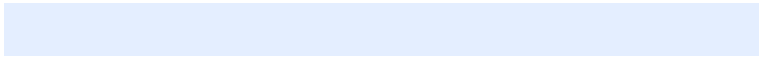
80.6194, 84.8631, 106.7388



83.0314, 84.8631, 104.8005

Triad

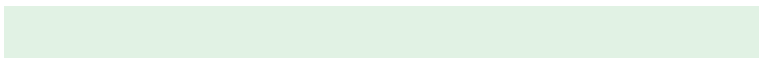
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6194, 84.8631, 106.7388



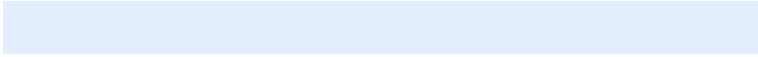
84.8804, 84.8631, 85.8368



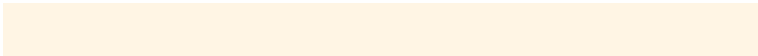
76.6206, 84.8631, 85.6460

Complementary

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



80.6194, 84.8631, 106.7388



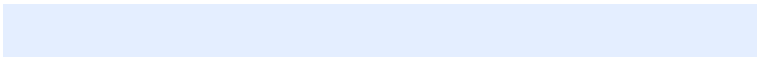
87.8952, 92.1642, 86.5571

Split Complementary

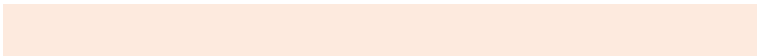
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3338, 84.8631, 81.0212



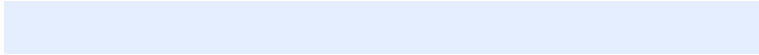
80.6194, 84.8631, 106.7388



83.1029, 84.8631, 81.1273

Square

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



80.6194, 84.8631, 106.7388



85.5219, 84.8631, 92.5173



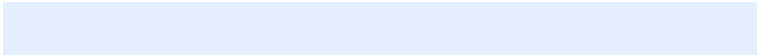
80.7003, 84.8631, 79.4092



75.9856, 84.8631, 92.2857

Rectangle

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



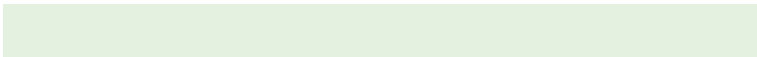
80.6194, 84.8631, 106.7388



84.3406, 84.8631, 101.5532



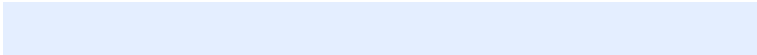
80.7003, 84.8631, 79.4092



77.0878, 84.8631, 83.8168

Sweetspot

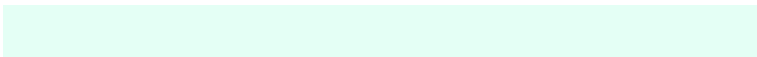
The Sweet Spot groups the original color and five complimentary colors.



80.6217, 84.8666, 106.7394



90.7743, 95.5438, 108.2652



84.1837, 94.5856, 99.9268



19.1903, 20.2002, 23.1375



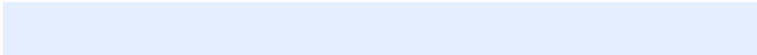
0.0000, 0.0000, 0.0000



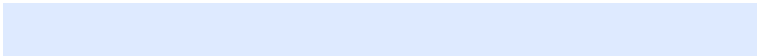
20.3446, 21.4041, 23.3091

Same Dimension

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



80.6217, 84.8666, 106.7394



77.5890, 81.6473, 106.2779



78.7979, 79.7220, 105.8425



17.5542, 18.4801, 22.8918



11.6761, 8.2617, 50.4139



1.2372, 1.0051, 4.9421

Inverse Universe

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



84.4174, 82.9212, 92.4493



82.1919, 79.3711, 88.9303



89.8545, 97.7890, 87.5395



18.2877, 18.0984, 20.1319



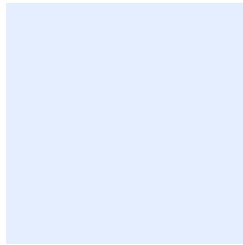
22.6817, 11.5620, 6.9745



2.2591, 1.1460, 0.9458

Previews

White Background



This preview shows how the XYZ color 80.6194, 84.8631, 106.7388 looks on a white background.

Color Contrast Check

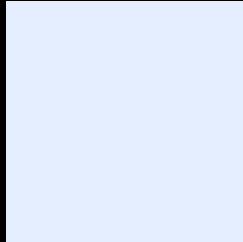
Large Text (above 18pt) WCAG AA × Fail

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 80.6194, 84.8631, 106.7388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

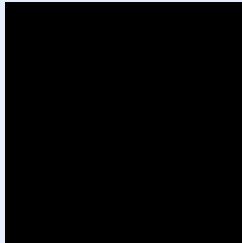
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

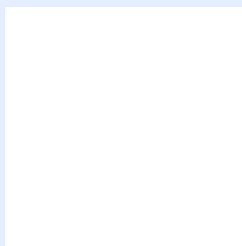
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.6194, 84.8631, 106.7388

Background



This preview shows how black text looks on a background with the XYZ color 80.6194, 84.8631, 106.7388.



This preview shows how white text looks on a background with the XYZ color 80.6194, 84.8631,

106.7388.

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

80.6194, 84.8631, 106.7388

Protanopia

82.4769, 84.9795, 105.8216

Deuteranopia

86.0503, 84.6958, 106.4203



Tritanopia

80.9376, 85.0271, 106.7537

Trichromacy



Original Color

80.6194, 84.8631, 106.7388

Protanomaly

81.7779, 85.0478, 105.8716

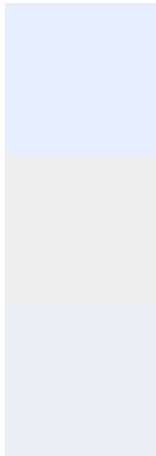
Deuteranomaly

84.0908, 84.9429, 106.5713

Tritanomaly

80.9376, 85.0271, 106.7537

Monochromacy



Original Color

80.6194, 84.8631, 106.7388

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5450, 84.5925, 97.6708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6194, 84.8631, 106.7388 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.6194, 84.8631, 106.7388 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, 238, 255) }
```


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

```
.border{ border-color:rgb(228, 238, 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, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6194, 84.8631, 106.7388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 238, 255) }
```

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

```
.background{ background-color: rgb(228,  
238, 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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