

Converting Colors

XYZ(80.8016, 85.4037,
106.7119)

Have a look what the booklet for
XYZ(80.8016, 85.4037, 106.7119)
contains.

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Color

**XYZ(80.9114, 85.4470,
106.8362)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EFFF
RGB	228, 239, 255
RGB Percent	89%, 94%, 100%
CMY	0.1059, 0.0627, 0.0000
CMYK	0.11, 0.06, 0.00, 0.00
HSL	216°, 100%, 95%
HSV	216°, 11%, 100%
XYZ	80.9114, 85.4470, 106.8362
YIQ	237.5350, -11.6920, 2.6440

Conversions

Conversions Part 2

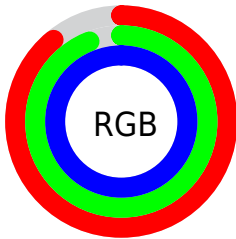
Format	Color
R _Y B	228, 236, 255
Decimal	15003647
CIE Lab	94.08, -0.59, -8.95
CIE LCh	94, 8.973, 266.220
Yxy	85.4470, 0.2962, 0.3128
Android (android.graphics.Color)	4293193727 (0xFFE4EFFF)
YUV	237.5350, 8.6102, -8.3622
Hunter-Lab	92.4375, -5.5231, -3.8191

Details

The XYZ color **80.9114, 85.4470, 106.8362** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.5936, 91.5609, 86.4567**, and the grayscale version is **80.8527, 85.0633, 92.6340**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1398, 46.7148, 60.1165** is the 20% darker color. If you saturate the color by 10%, you get **69.1715, 73.1033, 105.0724**, and if you desaturate by 10%, it is **94.2186, 99.1521, 108.7802**.

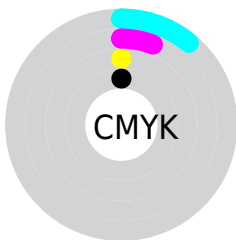
Distribution



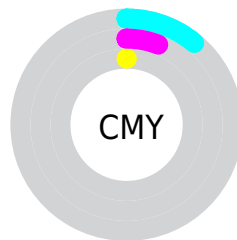
- Red (89%)
- Green (94%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9114, 85.4470, 106.8362 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 80.9114, 85.4470, 106.8362 by changing the saturation by 10% instead.

80.9114, 85.4470,
106.8362

80.9114, 85.4470,
106.8362

486.6889,
513.1060, 603.3277

60.7797, 64.2108,
81.3733

133.5902,
140.9975, 172.6539

44.2992, 46.8214,
60.3163

166.8679,
176.0806, 213.8458

31.1048, 32.8945,
43.2467

205.2584,
216.5482, 261.1178

20.8308, 22.0456,
29.7459

249.1269,
262.7845, 314.8884

13.1122, 13.8904,
19.3954

298.8389,
315.1741, 375.5761

7.5834, 8.0445,
11.7766

354.7596,

3.8791, 4.1234,

374.1013, 443.5996

6.4711

417.2545,
439.9504, 519.3772

■ 1.6340, 1.7429,
3.0602

■ 0.4144, 0.4512,
1.1255

■ 80.9114, 85.4470,
106.8362

■ 80.9114, 85.4470,
106.8362

■ 69.1715, 73.1033,
105.0724

94.2186, 99.1521,
108.7802

■ 58.9312, 62.0658,
103.4816

95.0500, 100.0000,
108.9000

■ 50.1274, 52.2904,
102.0588

■ 42.6899, 43.7265,
100.7978

■ 36.5419, 36.3194,
99.6921

■ 31.5986, 30.0096,
98.7347

■ 27.7635, 24.7305,
97.9179

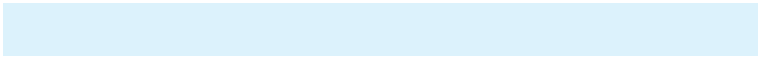
■ 24.9226, 20.4059,
97.2329

■ 22.9931, 17.1062,
96.6977

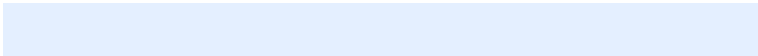
Harmonies

Analogous

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



78.6796, 85.4470, 104.4427



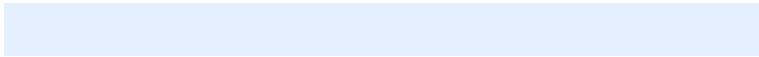
80.9114, 85.4470, 106.8362



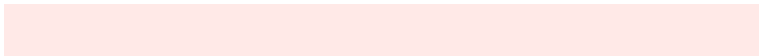
83.2677, 85.4470, 105.3853

Triad

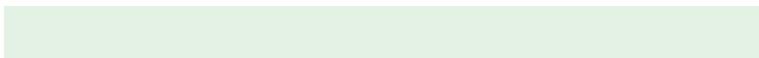
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9114, 85.4470, 106.8362



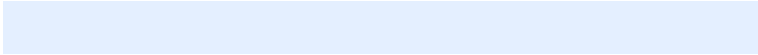
85.4191, 85.4470, 87.3277



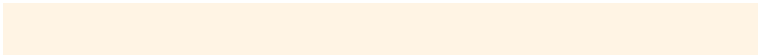
77.4447, 85.4470, 85.8910

Complementary

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



80.9114, 85.4470, 106.8362



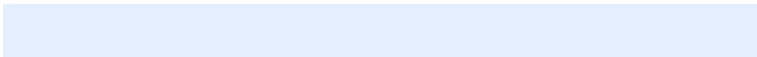
87.5936, 91.5609, 86.4567

Split Complementary

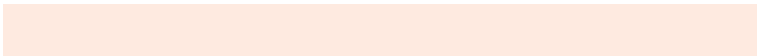
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1959, 85.4470, 81.6935



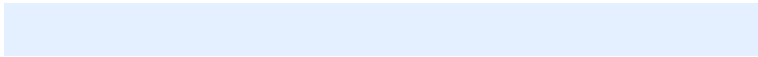
80.9114, 85.4470, 106.8362



83.8039, 85.4470, 82.4939

Square

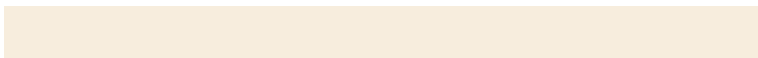
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9114, 85.4470, 106.8362



85.9000, 85.4470, 93.9100



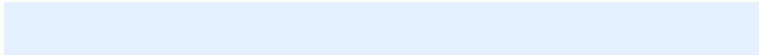
81.5190, 85.4470, 80.4808



76.7032, 85.4470, 92.1699

Rectangle

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



80.9114, 85.4470, 106.8362



84.5873, 85.4470, 102.4699



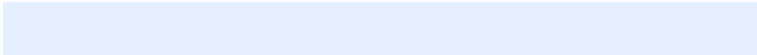
81.5190, 85.4470, 80.4808



77.9331, 85.4470, 84.2020

Sweetspot

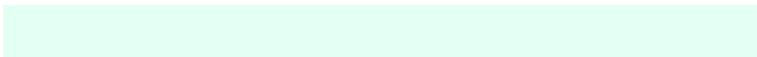
The Sweet Spot groups the original color and five complimentary colors.



80.9136, 85.4505, 106.8367



90.8625, 95.7202, 108.2946



84.0469, 94.5308, 99.2063



19.2140, 20.2478, 23.1455



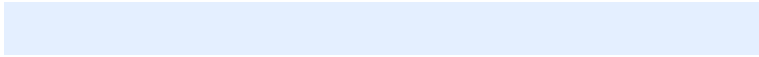
0.0000, 0.0000, 0.0000



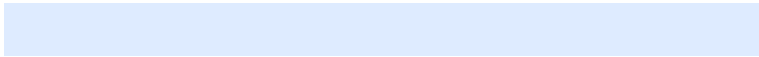
20.3446, 21.4041, 23.3091

Same Dimension

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



80.9136, 85.4505, 106.8367



77.9400, 82.3493, 106.3949



78.5080, 79.5727, 105.8290



17.6109, 18.5933, 22.9106



12.1521, 9.2137, 50.5725



1.2873, 1.1053, 4.9588

Inverse Universe

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



84.5648, 82.9803, 93.2253



82.3690, 79.4419, 89.8632



90.1810, 97.9573, 87.5549



18.3162, 18.1098, 20.2824



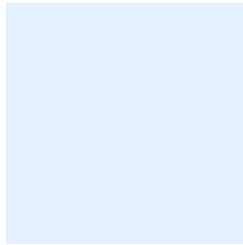
22.9220, 11.6581, 8.2397



2.2844, 1.1561, 1.0790

Previews

White Background



This preview shows how the XYZ color 80.9114, 85.4470, 106.8362 looks on a white background.

Color Contrast Check

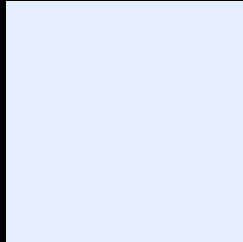
Large Text (above 18pt) WCAG AA × Fail

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 80.9114, 85.4470, 106.8362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

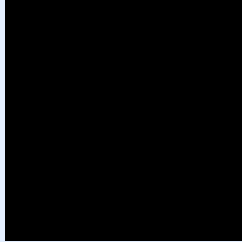
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

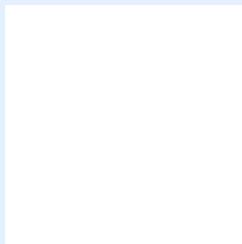
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9114, 85.4470, 106.8362

Background



This preview shows how black text looks on a background with the XYZ color 80.9114, 85.4470, 106.8362.



This preview shows how white text looks on a background with the XYZ color 80.9114, 85.4470,

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

80.9114, 85.4470, 106.8362

Protanopia

82.6501, 85.0873, 104.9959

Deuteranopia

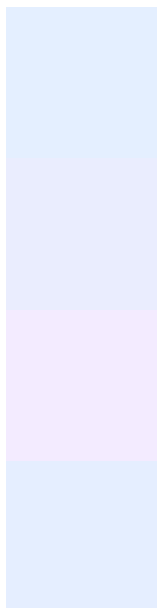
86.6903, 85.4425, 106.5307



Tritanopia

81.2577, 85.1921, 106.7687

Trichromacy



Original Color

80.9114, 85.4470, 106.8362

Protanomaly

82.1053, 85.2166, 105.8870

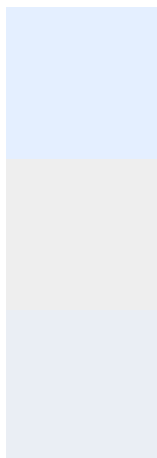
Deuteranomaly

84.7205, 85.6913, 106.6826

Tritanomaly

80.9376, 85.0271, 106.7537

Monochromacy



Original Color

80.9114, 85.4470, 106.8362

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.8354, 85.1732, 97.7675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9114, 85.4470, 106.8362 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, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 239, 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, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.9114, 85.4470, 106.8362 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, 239, 255) }
```


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

```
.border{ border-color:rgb(228, 239, 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, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9114, 85.4470, 106.8362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 239, 255) }
```

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

```
.background{ background-color: rgb(228,  
239, 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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