

Converting Colors

XYZ(80.9350, 85.9373,
106.9296)

Have a look what the booklet for
XYZ(80.9350, 85.9373, 106.9296)
contains.

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Color

**XYZ(80.8886, 85.8711,
106.9192)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F0FF
RGB	227, 240, 255
RGB Percent	89%, 94%, 100%
CMY	0.1098, 0.0588, 0.0000
CMYK	0.11, 0.06, 0.00, 0.00
HSL	212°, 100%, 95%
HSV	212°, 11%, 100%
XYZ	80.8886, 85.8711, 106.9192
YIQ	237.8230, -12.5630, 1.9090

Conversions

Conversions Part 2

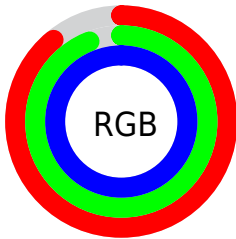
Format	Color
R _Y B	227, 236, 255
Decimal	14938367
CIE Lab	94.26, -1.42, -8.69
CIE LCh	94, 8.807, 260.723
Yxy	85.8711, 0.2956, 0.3138
Android (android.graphics.Color)	4293128447 (0xFFE3F0FF)
YUV	237.8230, 8.4683, -9.4918
Hunter-Lab	92.6667, -6.3543, -3.5424

Details

The XYZ color **80.8886, 85.8711, 106.9192** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.8565, 90.3084, 85.5279**, and the grayscale version is **81.0766, 85.2989, 92.8906**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3468, 47.1289, 60.1855** is the 20% darker color. If you saturate the color by 10%, you get **69.5639, 74.2898, 105.2807**, and if you desaturate by 10%, it is **93.7116, 98.6787, 108.7155**.

Distribution



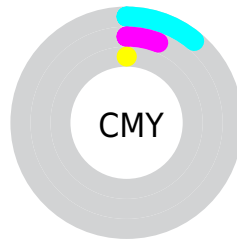
- Red (89%)
- Green (94%)
- Blue (100%)



- 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 80.8886, 85.8711, 106.9192 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 80.8886, 85.8711, 106.9192 by changing the saturation by 10% instead.

80.8886, 85.8711,
106.9192

80.8886, 85.8711,
106.9192

486.6135,
514.5061, 603.5909

60.7608, 64.5614,
81.4425

133.5583,
141.5896, 172.7682

44.2840, 47.1055,
60.3730

166.8310,
176.7672, 213.9776

31.0927, 33.1191,
43.2921

205.2160,
217.3362, 261.2684

20.8216, 22.2177,
29.7813

249.0787,
263.6810, 315.0590

13.1054, 14.0169,
19.4220

298.7844,
316.1860, 375.7680

7.5787, 8.1324,
11.7957

354.6986,

3.8761, 4.1798,

375.2355, 443.8140

6.4839

417.1865,
441.2141, 519.6154

■ 1.6323, 1.7746,
3.0680

■ 0.4133, 0.4713,
1.1294

■ 80.8886, 85.8711,
106.9192

■ 80.8886, 85.8711,
106.9192

■ 69.5639, 74.2898,
105.2807

93.7116, 98.6787,
108.7155

■ 59.6718, 63.8840,
103.7936

95.0500, 100.0000,
108.9000

■ 51.1518, 54.6148,
102.4535

■ 43.9360, 46.4366,
101.2552

■ 37.9502, 39.3003,
100.1933

■ 33.1122, 33.1519,
99.2615

■ 29.3280, 27.9311,
98.4532

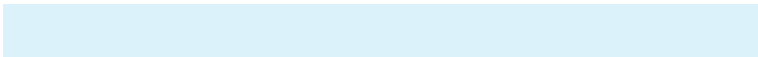
■ 26.4864, 23.5681,
97.7609

■ 24.5795, 20.2790,
97.2265

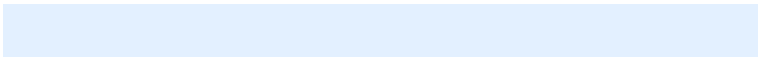
Harmonies

Analogous

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



78.7790, 85.8711, 103.9233



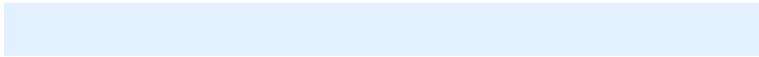
80.8886, 85.8711, 106.9192



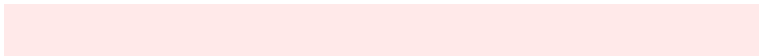
83.2340, 85.8711, 106.1874

Triad

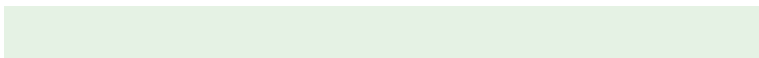
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.8886, 85.8711, 106.9192



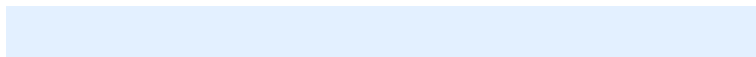
85.9358, 85.8711, 88.9758



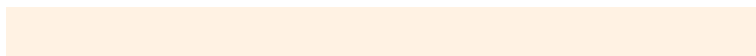
78.1557, 85.8711, 85.5113

Complementary

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



80.8886, 85.8711, 106.9192



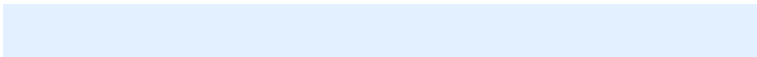
86.8565, 90.3084, 85.5279

Split Complementary

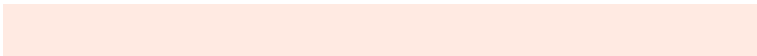
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0229, 85.8711, 81.8640



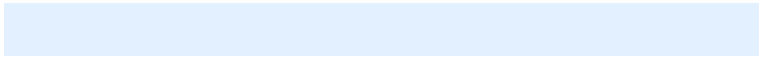
80.8886, 85.8711, 106.9192



84.5243, 85.8711, 83.7963

Square

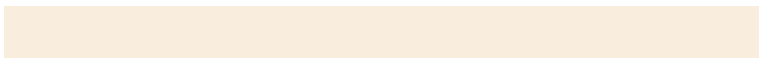
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.8886, 85.8711, 106.9192



86.1784, 85.8711, 95.6096



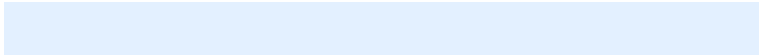
82.3516, 85.8711, 81.2516



77.2212, 85.8711, 91.4197

Rectangle

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



80.8886, 85.8711, 106.9192



84.6140, 85.8711, 103.6973



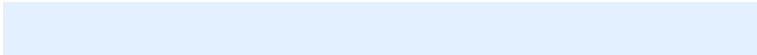
82.3516, 85.8711, 81.2516



78.6933, 85.8711, 83.9923

Sweetspot

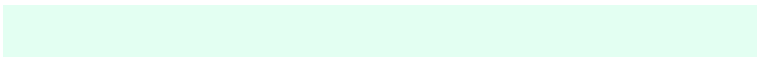
The Sweet Spot groups the original color and five complimentary colors.



80.8909, 85.8746, 106.9198



90.9982, 95.9916, 108.3399



83.4563, 94.2581, 97.7477



19.2506, 20.3209, 23.1577



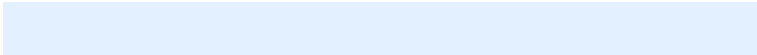
0.0000, 0.0000, 0.0000



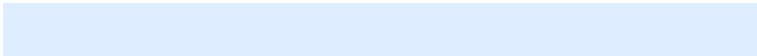
20.3446, 21.4041, 23.3091

Same Dimension

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



80.8909, 85.8746, 106.9198



78.4838, 83.4370, 106.5762



77.4940, 78.6426, 105.7029



17.6984, 18.7684, 22.9398



12.9893, 10.8882, 50.8516



1.3727, 1.2762, 4.9872

Inverse Universe

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



84.4386, 82.4908, 93.9142



82.6435, 79.5517, 91.3088



90.5229, 98.1496, 86.8482



18.3604, 18.1275, 20.5150



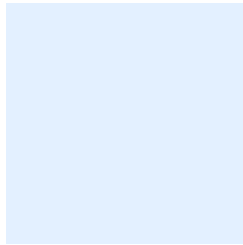
23.3446, 11.8271, 10.4651



2.3275, 1.1734, 1.3060

Previews

White Background



This preview shows how the XYZ color 80.8886, 85.8711, 106.9192 looks on a white background.

Color Contrast Check

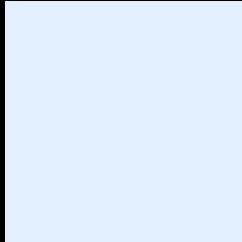
Large Text (above 18pt) WCAG AA × Fail

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 80.8886, 85.8711, 106.9192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

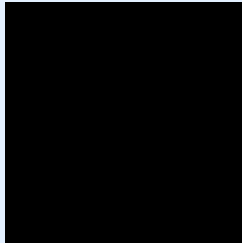
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

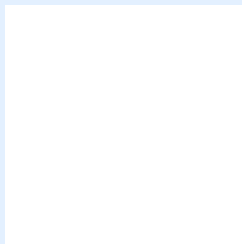
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.8886, 85.8711, 106.9192

Background



This preview shows how black text looks on a background with the XYZ color 80.8886, 85.8711, 106.9192.



This preview shows how white text looks on a background with the XYZ color 80.8886, 85.8711,

106.9192.

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

80.8886, 85.8711, 106.9192

Protanopia

83.2737, 85.8374, 105.1078

Deuteranopia

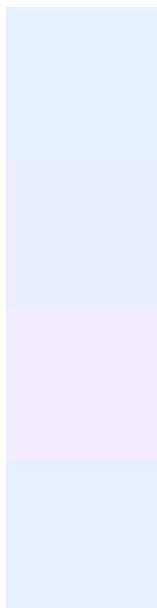
87.0515, 85.6287, 106.5476



Tritanopia

81.5496, 85.7760, 106.8660

Trichromacy



Original Color

80.8886, 85.8711, 106.9192

Protanomaly

82.3956, 85.7973, 105.9837

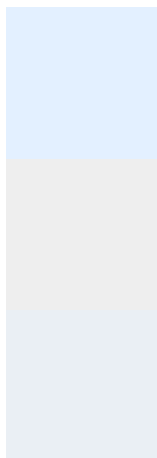
Deuteranomaly

84.7205, 85.6913, 106.6826

Tritanomaly

81.2296, 85.6110, 106.8511

Monochromacy



Original Color

80.8886, 85.8711, 106.9192

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.1273, 85.7571, 97.8649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.8886, 85.8711, 106.9192 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(227, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 240, 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(227, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.8886, 85.8711, 106.9192 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(227, 240, 255) }
```


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

```
.border{ border-color:rgb(227, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.8886, 85.8711, 106.9192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 240, 255) }
```

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

```
.background{ background-color: rgb(227,  
240, 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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