

Converting Colors

XYZ(80.9711, 87.6183,
106.8065)

Have a look what the booklet for
XYZ(80.9711, 87.6183, 106.8065)
contains.

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Color

**XYZ(80.9805, 87.7044,
106.4264)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F4FE
RGB	224, 244, 254
RGB Percent	88%, 96%, 100%
CMY	0.1216, 0.0431, 0.0039
CMYK	0.12, 0.04, 0.00, 0.00
HSL	200°, 94%, 94%
HSV	200°, 12%, 100%
XYZ	80.9805, 87.7044, 106.4264
YIQ	239.1600, -15.1300, -1.1300

Conversions

Conversions Part 2

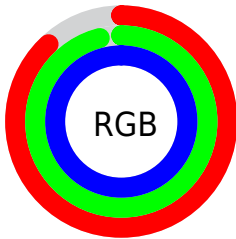
Format	Color
R _Y B	224, 236, 254
Decimal	14742782
CIE Lab	95.04, -4.60, -7.04
CIE LCh	95, 8.411, 236.856
Yxy	87.7044, 0.2944, 0.3188
Android (android.graphics.Color)	4292932862 (0xFFE0F4FE)
YUV	239.1600, 7.3161, -13.2953
Hunter-Lab	93.6506, -9.5381, -1.8229

Details

The XYZ color **80.9805, 87.7044, 106.4264** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.7508, 85.2978, 82.5725**, and the grayscale version is **82.1240, 86.4009, 94.0905**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.4234, 48.4327, 59.8304** is the 20% darker color. If you saturate the color by 10%, you get **71.2010, 78.9709, 105.2575**, and if you desaturate by 10%, it is **92.0580, 97.2854, 107.6932**.

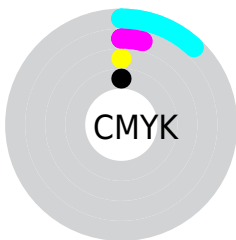
Distribution



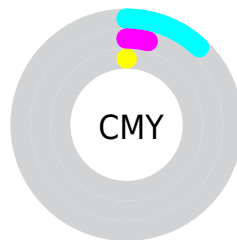
- Red (88%)
- Green (96%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9805, 87.7044, 106.4264 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 80.9805, 87.7044, 106.4264 by changing the saturation by 10% instead.

80.9805, 87.7044,
106.4264

80.9805, 87.7044,
106.4264

486.9174,
520.5347, 602.0274

60.8368, 66.0783,
81.0315

133.6867,
144.1456, 172.0895

44.3455, 48.3360,
60.0364

166.9799,
179.7294, 213.1948

31.1413, 34.0930,
43.0225

205.3869,
220.7346, 260.3740

20.8588, 22.9651,
29.5712

249.2731,
267.5455, 314.0456

13.1327, 14.5677,
19.2641

299.0040,
320.5466, 374.6283

7.5976, 8.5166,
11.6825

354.9447,

3.8882, 4.4272,

380.1222, 442.5404

6.4080

417.4608,
446.6568, 518.2006

■ 1.6391, 1.9153,
3.0219

■ 0.4177, 0.5576,
1.1058

■ 80.9805, 87.7044,
106.4264

■ 80.9805, 87.7044,
106.4264

■ 71.2010, 78.9709,
105.2575

■ 92.0580, 97.2854,
107.6932

■ 62.6583, 71.0439,
104.1777

94.8896, 99.9359,
108.0556

■ 55.2975, 63.8953,
103.1858

■ 49.0564, 57.4904,
102.2785

■ 43.8667, 51.7916,
101.4520

■ 39.6518, 46.7570,
100.7024

■ 36.3241, 42.3387,
100.0250

■ 33.7781, 38.4799,
99.4143

■ 32.1455, 35.6677,
98.9576

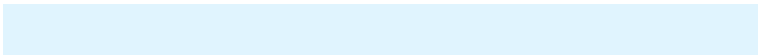
Harmonies

Analogous

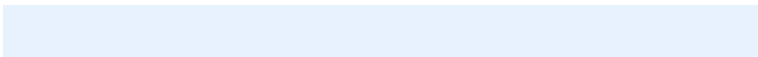
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5006, 87.7044, 101.2947



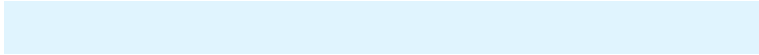
80.9805, 87.7044, 106.4264



83.1196, 87.7044, 108.6223

Triad

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



80.9805, 87.7044, 106.4264



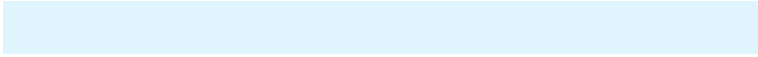
87.8261, 87.7044, 96.1872



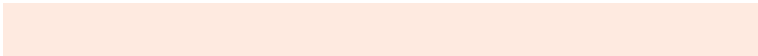
81.3907, 87.7044, 84.7004

Complementary

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



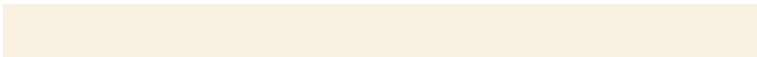
80.9805, 87.7044, 106.4264



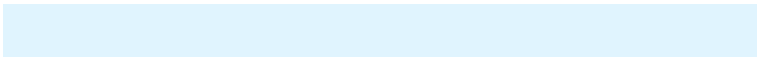
83.7508, 85.2978, 82.5725

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.



83.6017, 87.7044, 83.4707



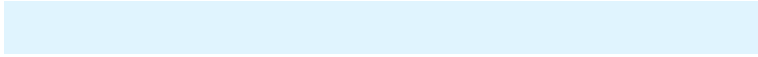
80.9805, 87.7044, 106.4264



87.3431, 87.7044, 89.9213

Square

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



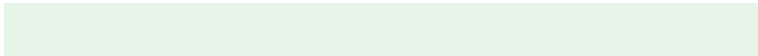
80.9805, 87.7044, 106.4264



87.0947, 87.7044, 102.5436



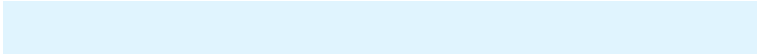
85.7865, 87.7044, 85.3393



79.7344, 87.7044, 88.7774

Rectangle

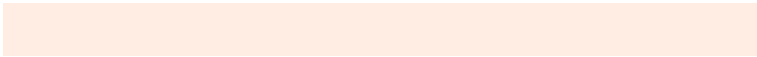
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9805, 87.7044, 106.4264



84.6413, 87.7044, 108.0547



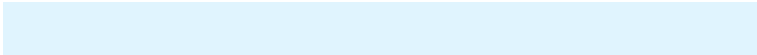
85.7865, 87.7044, 85.3393



82.0925, 87.7044, 83.9486

Sweetspot

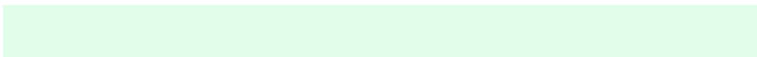
The Sweet Spot groups the original color and five complimentary colors.



80.9831, 87.7081, 106.4284



90.3217, 95.9671, 108.3708



80.9632, 92.6442, 91.0822



19.1474, 20.3819, 23.1749



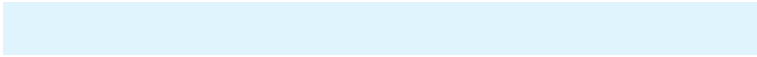
0.0000, 0.0000, 0.0000



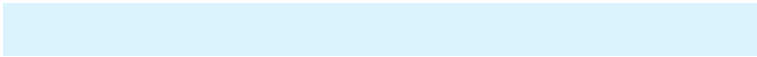
20.3446, 21.4041, 23.3091

Same Dimension

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



80.9831, 87.7081, 106.4284



79.4356, 86.4902, 107.1153



76.7892, 79.3203, 105.0304



18.0150, 19.4017, 23.0454



17.0886, 19.0867, 52.2180



1.7644, 2.0595, 5.1178

Inverse Universe

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



83.8598, 80.9155, 96.7906



82.8433, 78.5571, 95.6733



88.0503, 93.8968, 84.0056



18.5202, 18.1914, 21.3567



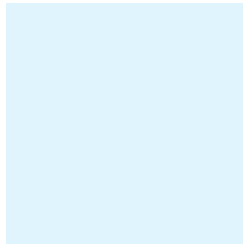
25.4137, 12.6548, 21.3609



2.5252, 1.2525, 2.3471

Previews

White Background



This preview shows how the XYZ color 80.9805, 87.7044, 106.4264 looks on a white background.

Color Contrast Check

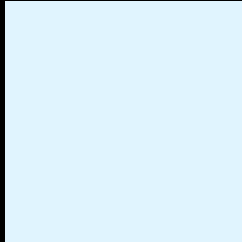
Large Text (above 18pt) WCAG AA × Fail

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 80.9805, 87.7044, 106.4264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

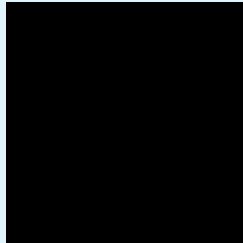
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

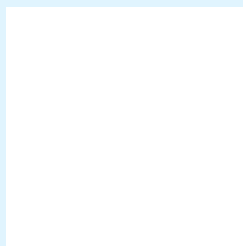
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9805, 87.7044, 106.4264

Background



This preview shows how black text looks on a background with the XYZ color 80.9805, 87.7044, 106.4264.



This preview shows how white text looks on a background with the XYZ color 80.9805, 87.7044,

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

80.9805, 87.7044, 106.4264

Protanopia

84.8970, 87.5753, 103.6960

Deuteranopia

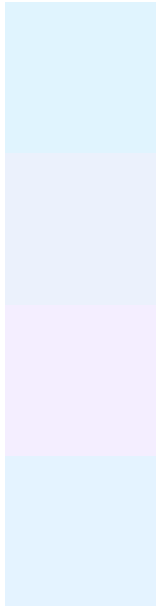
88.7128, 87.3256, 106.7876



Tritanopia

82.7571, 87.7132, 107.1763

Trichromacy



Original Color

80.9805, 87.7044, 106.4264

Protanomaly

83.2869, 87.6010, 104.6145

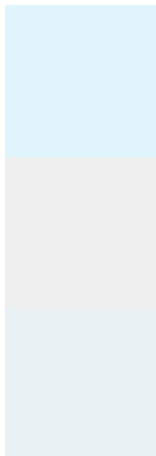
Deuteranomaly

85.9328, 87.6022, 106.9875

Tritanomaly

82.0955, 87.8152, 107.2309

Monochromacy



Original Color

80.9805, 87.7044, 106.4264

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.7161, 86.9347, 98.0611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9805, 87.7044, 106.4264 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(224, 244, 254)` looks like.

```
.text, #text, p{  
    color:rgb(224, 244, 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(224, 244, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 244, 254) }
```

Border

The CSS property to change the border of an element to XYZ 80.9805, 87.7044, 106.4264 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(224, 244, 254) }
```


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

```
.border{ border-color:rgb(224, 244, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 244, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 244, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 244, 254);  
box-shadow:4px 4px 4px 4px rgb(224, 244,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9805, 87.7044, 106.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 244, 254) }
```

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

```
.background{ background-color: rgb(224,  
244, 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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