

Converting Colors

XYZ(84.3706, 87.4082,
117.7354)

Have a look what the booklet for
XYZ(84.3706, 87.4082, 117.7354)
contains.

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Color

**XYZ(82.4888, 86.6960,
106.9941)**

Conversions

Conversions Part 1

Format	Color
Hex	E8F0FF
RGB	232, 240, 255
RGB Percent	91%, 94%, 100%
CMY	0.0902, 0.0588, 0.0000
CMYK	0.09, 0.06, 0.00, 0.00
HSL	219°, 100%, 95%
HSV	219°, 9%, 100%
XYZ	82.4888, 86.6960, 106.9941
YIQ	239.3180, -9.5830, 2.9690

Conversions

Conversions Part 2

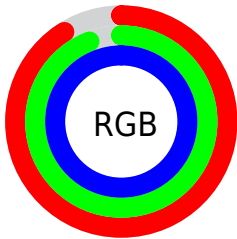
Format	Color
R _Y B	232, 238, 255
Decimal	15266047
CIE Lab	94.61, 0.17, -8.13
CIE LCh	95, 8.133, 271.180
Yxy	86.6960, 0.2987, 0.3139
Android (android.graphics.Color)	4293456127 (0xFFE8F0FF)
YUV	239.3180, 7.7312, -6.4179
Hunter-Lab	93.1107, -4.8066, -2.9530

Details

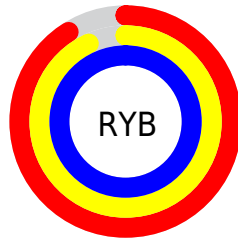
The XYZ color **82.4888, 86.6960, 106.9941** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.0655, 93.6058, 89.7189**, and the grayscale version is **82.2408, 86.5237, 94.2243**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2380, 47.5883, 60.2272** is the 20% darker color. If you saturate the color by 10%, you get **70.1324, 73.3922, 105.0775**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

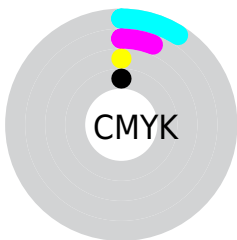
Distribution



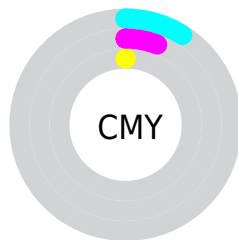
- Red (91%)
- Green (94%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.4888, 86.6960, 106.9941 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 82.4888, 86.6960, 106.9941 by changing the saturation by 10% instead.

82.4888, 86.6960,
106.9941

82.4888, 86.6960,
106.9941

491.8910,
517.2234, 603.8283

62.0840, 65.2437,
81.5050

135.7915,
142.7403, 172.8714

45.3564, 47.6587,
60.4242

169.4201,
178.1011, 214.0966

31.9407, 33.5567,
43.3331

208.1874,
218.8669, 261.4043

21.4716, 22.5532,
29.8132

252.4587,
265.4219, 315.2129

13.5836, 14.2640,
19.4460

302.5993,
318.1507, 375.9411

7.9114, 8.3045,
11.8129

358.9747,

4.0896, 4.2904,

377.4376, 444.0074

6.4954

421.9501,
443.6671, 519.8303

■ 1.7530, 1.8373,
3.0750

■ 0.4891, 0.5103,
1.1331

■ 82.4888, 86.6960,
106.9941

■ 82.4888, 86.6960,
106.9941

■ 70.1324, 73.3922,
105.0775

95.0500, 100.0000,
108.9000

■ 59.3597, 61.5504,
103.3596

■ 50.1053, 51.1207,
101.8342

■ 42.2963, 42.0460,
100.4942

■ 35.8534, 34.2652,
99.3319

■ 30.6893, 27.7117,
98.3391

■ 26.7054, 22.3119,
97.5068

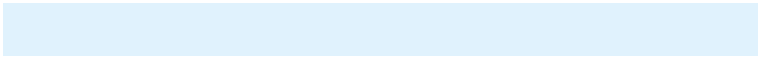
■ 23.7865, 17.9820,
96.8249

■ 21.7690, 14.6115,
96.2807

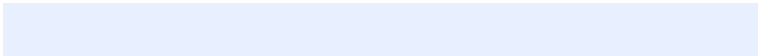
Harmonies

Analogous

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



80.3857, 86.6960, 105.3789



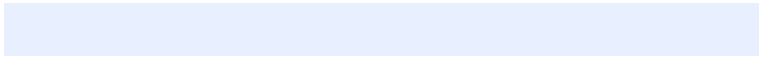
82.4888, 86.6960, 106.9941



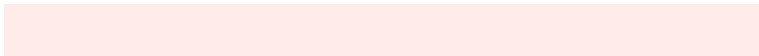
84.6046, 86.6960, 105.1115

Triad

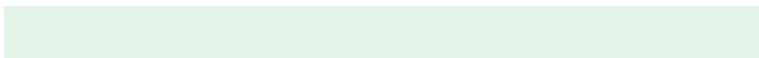
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4888, 86.6960, 106.9941



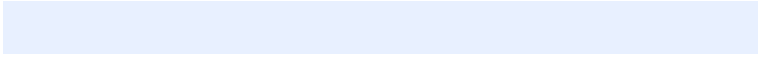
86.0627, 86.6960, 88.2815



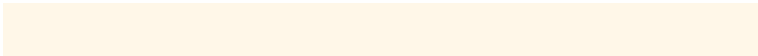
78.7622, 86.6960, 88.6941

Complementary

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



82.4888, 86.6960, 106.9941



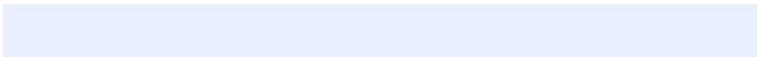
89.0655, 93.6058, 89.7189

Split Complementary

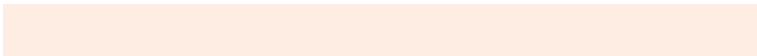
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2379, 86.6960, 84.4369



82.4888, 86.6960, 106.9941



84.4516, 86.6960, 84.2063

Square

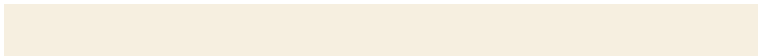
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



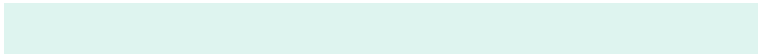
82.4888, 86.6960, 106.9941



86.6904, 86.6960, 94.1488



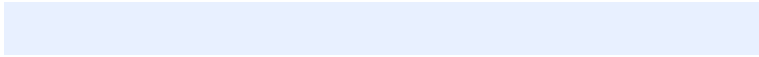
82.3152, 86.6960, 82.8300



78.2573, 86.6960, 94.6461

Rectangle

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



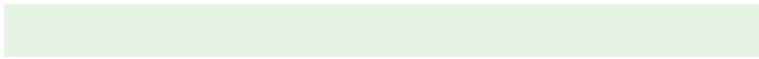
82.4888, 86.6960, 106.9941



85.7314, 86.6960, 102.1724



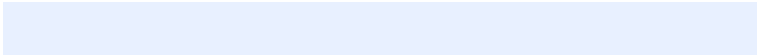
82.3152, 86.6960, 82.8300



79.1599, 86.6960, 87.0268

Sweetspot

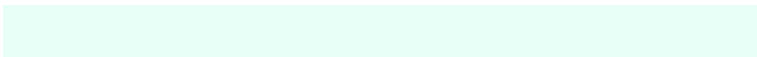
The Sweet Spot groups the original color and five complimentary colors.



82.4911, 86.6995, 106.9947



90.7207, 95.4367, 108.2474



85.8203, 95.3885, 101.8444



19.1758, 20.1714, 23.1327



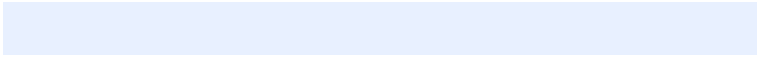
0.0000, 0.0000, 0.0000



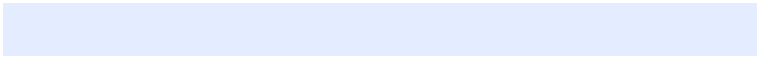
20.3446, 21.4041, 23.3091

Same Dimension

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



82.4911, 86.6995, 106.9947



79.9135, 83.9442, 106.5987



81.3175, 82.6736, 106.2794



17.5200, 18.4115, 22.8803



11.4124, 7.7343, 50.3260



1.2088, 0.9483, 4.9326

Inverse Universe

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



85.8262, 85.2660, 94.3768



83.9393, 82.2684, 91.3553



90.3080, 97.9579, 90.4935



18.2703, 18.0914, 20.0408



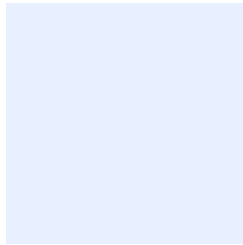
22.5486, 11.5087, 6.2736



2.2447, 1.1403, 0.8702

Previews

White Background



This preview shows how the XYZ color 82.4888, 86.6960, 106.9941 looks on a white background.

Color Contrast Check

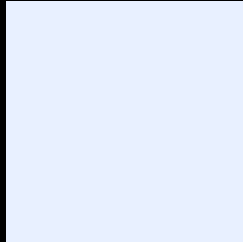
Large Text (above 18pt) WCAG AA × Fail

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 82.4888, 86.6960, 106.9941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

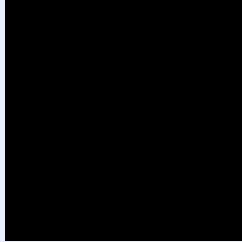
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

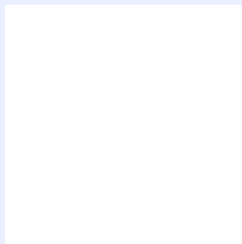
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.4888, 86.6960, 106.9941

Background



This preview shows how black text looks on a background with the XYZ color 82.4888, 86.6960, 106.9941.



This preview shows how white text looks on a background with the XYZ color 82.4888, 86.6960,

106.9941.

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

82.4888, 86.6960, 106.9941

Protanopia

84.0605, 86.6556, 106.0617

Deuteranopia

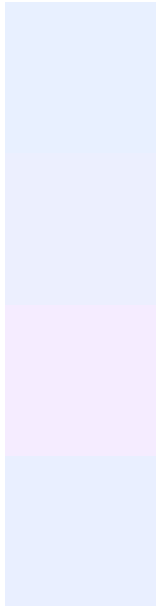
87.6969, 86.3805, 106.6587



Tritanopia

82.8482, 86.4454, 106.9268

Trichromacy



Original Color

82.4888, 86.6960, 106.9941

Protanomaly

83.3480, 86.7216, 106.1120

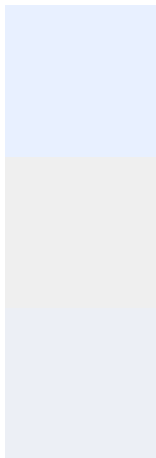
Deuteranomaly

85.7016, 86.6234, 106.8108

Tritanomaly

82.5208, 86.2766, 106.9115

Monochromacy



Original Color

82.4888, 86.6960, 106.9941

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.9400, 86.1584, 98.6977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.4888, 86.6960, 106.9941 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(232, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.4888, 86.6960, 106.9941 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(232, 240, 255) }
```


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

```
.border{ border-color:rgb(232, 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(232, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.4888, 86.6960, 106.9941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 240, 255) }
```

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

```
.background{ background-color: rgb(232,  
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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