

Converting Colors

XYZ(86.4860, 93.7471,
106.4698)

Have a look what the booklet for
XYZ(86.4860, 93.7471, 106.4698)
contains.

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Color

**XYZ(86.4878, 93.7484,
106.4654)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFBFD
RGB	235, 251, 253
RGB Percent	92%, 98%, 99%
CMY	0.0784, 0.0157, 0.0078
CMYK	0.07, 0.01, 0.00, 0.01
HSL	187°, 82%, 96%
HSV	187°, 7%, 99%
XYZ	86.4878, 93.7484, 106.4654
YIQ	246.4440, -10.1780, -2.7700

Conversions

Conversions Part 2

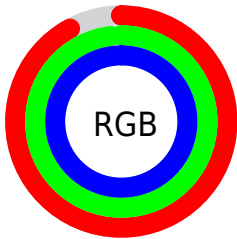
Format	Color
R _Y B	235, 243, 253
Decimal	15465469
CIE Lab	97.53, -4.84, -2.77
CIE LCh	98, 5.574, 209.757
Yxy	93.7484, 0.3017, 0.3270
Android (android.graphics.Color)	4293655549 (0xFFEBFBFD)
YUV	246.4440, 3.2321, -10.0364
Hunter-Lab	96.8238, -9.9965, 2.5826

Details

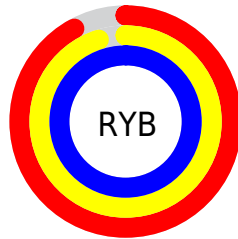
The XYZ color **86.4878, 93.7484, 106.4654** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.7880, 87.4486, 90.9566**, and the grayscale version is **87.9397, 92.5194, 100.7536**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0693, 52.5994, 59.8437** is the 20% darker color. If you saturate the color by 10%, you get **77.8523, 88.0076, 105.8139**, and if you desaturate by 10%, it is **94.3519, 99.1159, 107.0884**.

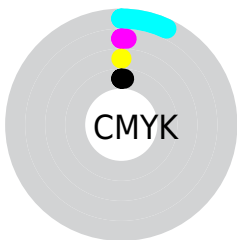
Distribution



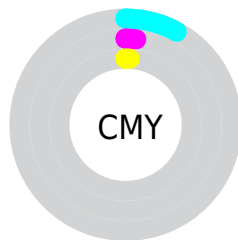
- Red (92%)
- Green (98%)
- Blue (99%)



- Red (92%)
- Yellow (95%)
- Blue (99%)



- Cyan (7%)
- Magenta (1%)
- Yellow (0%)
- Black (1%)





- Cyan (8%)
- Magenta (2%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4878, 93.7484, 106.4654 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 86.4878, 93.7484, 106.4654 by changing the saturation by 10% instead.


 86.4878, 93.7484,
106.4654

 86.4878, 93.7484,
106.4654

504.9481,
540.1503, 602.1512

 65.3980, 71.0937,
81.0641


141.3533,
152.5343, 172.1432

 48.0498, 52.4187,
60.0631

175.8598,
189.4344, 213.2568

 34.0777, 37.3389,
43.0438


215.5692,
231.8516, 260.4448

 23.1165, 25.4700,
29.5879

260.8470,
280.1705, 314.1259

 14.8007, 16.4276,
19.2766

312.0584,
334.7755, 374.7185

 8.7651, 9.8272,
11.6915

369.5688,

 4.6441, 5.2845,

396.0508, 442.6412

6.4140

433.7436,
464.3809, 518.3126

■ 2.0726, 2.4152,
3.0256

■ 0.6743, 0.8337,
1.1077

■ 86.4878, 93.7484,
106.4654

■ 86.4878, 93.7484,
106.4654

■ 77.8523, 88.0076,
105.8139

94.3519, 99.1159,
107.0884

■ 70.3652, 82.8755,
105.2179

94.7299, 99.8720,
107.2144

■ 63.9756, 78.3283,
104.6770

■ 58.6259, 74.3362,
104.1884

■ 54.2528, 70.8665,
103.7492

■ 50.7865, 67.8831,
103.3560

■ 48.1473, 65.3450,
103.0052

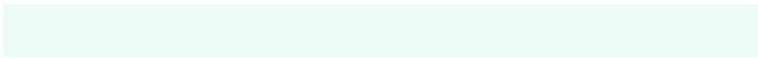
■ 46.2419, 63.2038,
102.6923

■ 44.9507, 61.3979,
102.4118

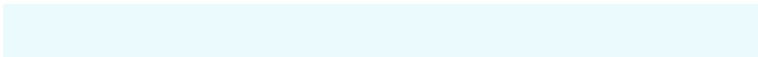
Harmonies

Analogous

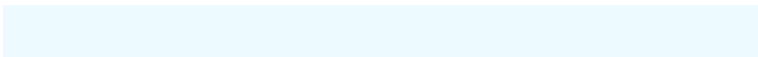
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0948, 93.7484, 102.0390



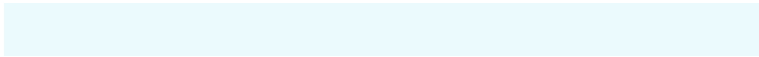
86.4878, 93.7484, 106.4654



87.5802, 93.7484, 109.7961

Triad

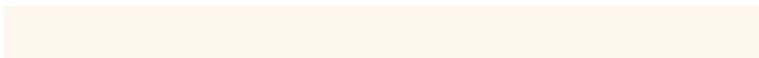
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4878, 93.7484, 106.4654



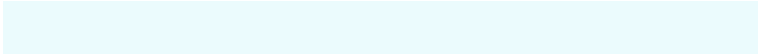
91.7614, 93.7484, 106.5314



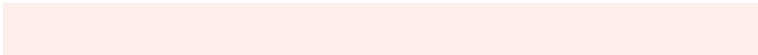
89.1180, 93.7484, 93.6021

Complementary

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



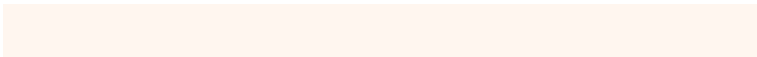
86.4878, 93.7484, 106.4654



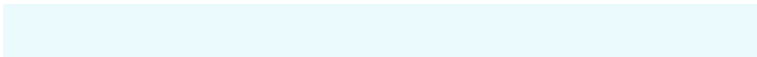
85.7880, 87.4486, 90.9566

Split Complementary

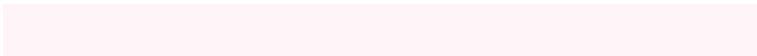
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6474, 93.7484, 94.7267



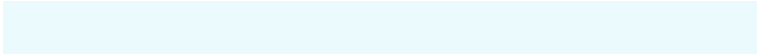
86.4878, 93.7484, 106.4654



92.1846, 93.7484, 102.1131

Square

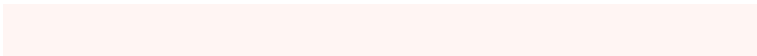
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



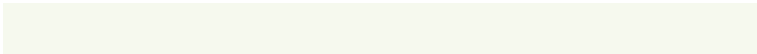
86.4878, 93.7484, 106.4654



90.6248, 93.7484, 109.8349



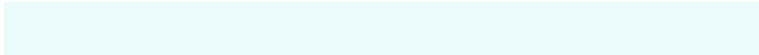
91.7746, 93.7484, 97.8091



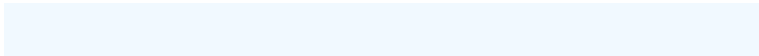
87.6024, 93.7484, 94.6915

Rectangle

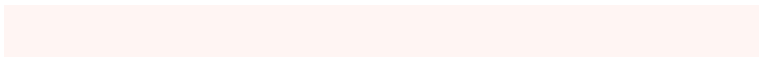
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



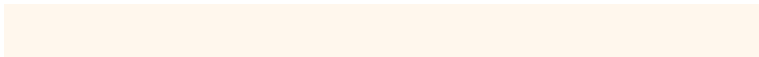
86.4878, 93.7484, 106.4654



88.5647, 93.7484, 110.8998



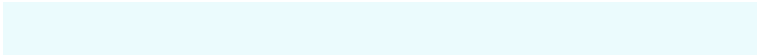
91.7746, 93.7484, 97.8091



89.6476, 93.7484, 93.7333

Sweetspot

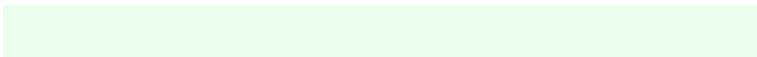
The Sweet Spot groups the original color and five complimentary colors.



86.4905, 93.7524, 106.4675



93.0183, 98.6852, 108.7533



84.6446, 94.0171, 93.6551



19.9310, 21.1365, 23.2792



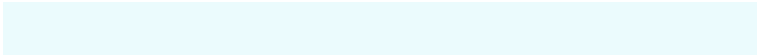
0.0000, 0.0000, 0.0000



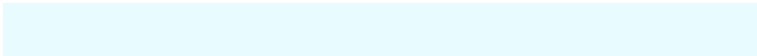
20.3446, 21.4041, 23.3091

Same Dimension

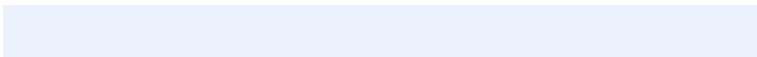
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4905, 93.7524, 106.4675



86.2984, 94.2910, 108.2593



83.8038, 88.3791, 105.5719



18.3727, 20.1170, 23.1646



23.8138, 32.5372, 54.4598



2.3657, 3.2621, 5.3182

Inverse Universe

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



87.6311, 87.2662, 103.4968



87.7536, 86.0585, 104.4597



88.3999, 92.6724, 91.8272



18.7008, 18.2636, 22.3074



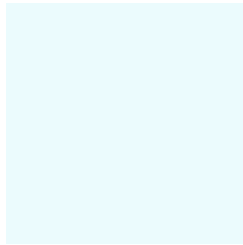
28.8083, 14.0126, 39.2366



2.8287, 1.3739, 3.9453

Previews

White Background



This preview shows how the XYZ color 86.4878, 93.7484, 106.4654 looks on a white background.

Color Contrast Check

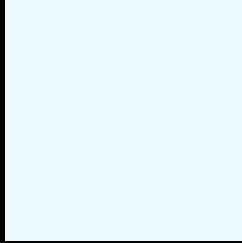
Large Text (above 18pt) WCAG AA × Fail

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 86.4878, 93.7484, 106.4654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

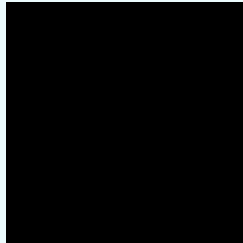
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.4878, 93.7484, 106.4654

Background



This preview shows how black text looks on a background with the XYZ color 86.4878, 93.7484, 106.4654.



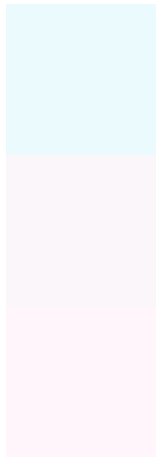
This preview shows how white text looks on a background with the XYZ color 86.4878, 93.7484,

106.4554.

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

86.4878, 93.7484, 106.4654

Protanopia

89.9947, 93.3229, 103.7124

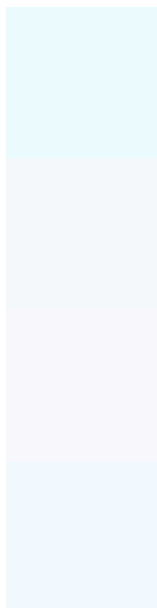
Deuteranopia

91.1477, 93.4669, 103.6794

Tritanopia

88.9256, 93.5879, 107.9851

Trichromacy



Original Color

86.4878, 93.7484, 106.4654

Protanomaly

88.6362, 93.5123, 104.6448

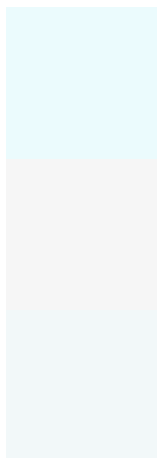
Deuteranomaly

89.3848, 93.4430, 104.5920

Tritanomaly

88.0407, 93.6079, 107.1938

Monochromacy



Original Color

86.4878, 93.7484, 106.4654

Achromatopsia

87.5964, 92.1582, 100.3603

Achromatomaly

87.2842, 92.8516, 102.9443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4878, 93.7484, 106.4654 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(235, 251, 253)` looks like.

```
.text, #text, p{  
    color:rgb(235, 251, 253)  
}
```

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(235, 251, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 251, 253) }
```

Border

The CSS property to change the border of an element to XYZ 86.4878, 93.7484, 106.4654 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(235, 251, 253) }
```


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

```
.border{ border-color:rgb(235, 251, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 251, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 251, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 251, 253);  
box-shadow:4px 4px 4px 4px rgb(235, 251,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4878, 93.7484, 106.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 251, 253) }
```

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

```
.background{ background-color: rgb(235,  
251, 253) }
```

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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