

# Converting Colors

XYZ(86.4638, 93.3837,  
108.0755)

Have a look what the booklet for  
XYZ(86.4638, 93.3837, 108.0755)  
contains.

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# **Color**

**XYZ(86.4966, 93.2534,  
108.0486)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | EBFAFF                      |
| RGB         | 235, 250, 255               |
| RGB Percent | 92%, 98%, 100%              |
| CMY         | 0.0784, 0.0196, 0.0000      |
| CMYK        | 0.08, 0.02, 0.00, 0.00      |
| HSL         | 195°, 100%, 96%             |
| HSV         | 195°, 8%, 100%              |
| XYZ         | 86.4966, 93.2534, 108.0486  |
| YIQ         | 246.0850, -10.5450, -1.6250 |

# Conversions

## Conversions Part 2

| <b>Format</b>                       | <b>Color</b>                 |
|-------------------------------------|------------------------------|
| R <sub>Y</sub> B                    | 235, 244, 255                |
| Decimal                             | 15465215                     |
| CIE Lab                             | 97.33, -3.96, -4.09          |
| CIE LCh                             | 97, 5.693, 225.932           |
| Yxy                                 | 93.2534, 0.3005,<br>0.3240   |
| Android<br>(android.graphics.Color) | 4293655295<br>(0xFFEBFAFF)   |
| YUV                                 | 246.0850, 4.3951,<br>-9.7215 |
| Hunter-Lab                          | 96.5678, -9.1097,<br>1.2586  |

# Details

The XYZ color **86.4966, 93.2534, 108.0486** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.3948, 89.5764, 91.2827**, and the grayscale version is **87.6400, 92.2041, 100.4102**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0752, 52.2445, 60.9764** is the 20% darker color. If you saturate the color by 10%, you get **76.7284, 85.3318, 107.0344**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



- Red (92%)
- Green (98%)
- Blue (100%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (8%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.4966, 93.2534, 108.0486 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 86.4966, 93.2534, 108.0486 by changing the saturation by 10% instead.




 86.4966, 93.2534,  
108.0486

 86.4966, 93.2534,  
108.0486


504.9767,  
538.5582, 607.1661

 65.4053, 70.6821,  
82.3848


141.3655,  
151.8494, 174.3226

 48.0558, 52.0828,  
61.1451


175.8739,  
188.6429, 215.7699

 34.0825, 37.0711,  
43.9110

215.5854,  
230.9460, 263.3155

 23.1202, 25.2626,  
30.2638

260.8654,  
279.1430, 317.3779

 14.8034, 16.2728,  
19.7852

312.0791,  
333.6183, 378.3756

 8.7670, 9.7174,  
12.0565

369.5920,

 4.6454, 5.2120,

394.7563, 446.7272

6.6591

433.7694,  
462.9415, 522.8512

■ 2.0733, 2.3722,  
3.1747

■ 0.6747, 0.8115,  
1.1845

■ 86.4966, 93.2534,  
108.0486

■ 86.4966, 93.2534,  
108.0486

■ 76.7284, 85.3318,  
107.0344

95.0500, 100.0000,  
108.9000

■ 68.1797, 78.1346,  
106.0958

■ 60.7974, 71.6359,  
105.2305

■ 54.5219, 65.8041,  
104.4356

■ 49.2876, 60.6043,  
103.7078

■ 45.0219, 55.9981,  
103.0435

■ 41.6424, 51.9418,  
102.4387

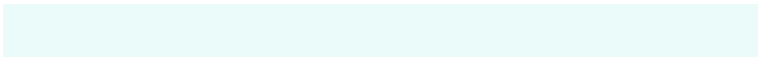
■ 39.0517, 48.3844,  
101.8886

■ 37.1200, 45.2578,  
101.3869

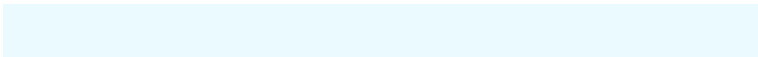
# Harmonies

## Analogous

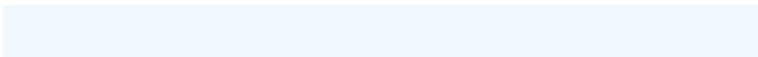
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6879, 93.2534, 103.9929



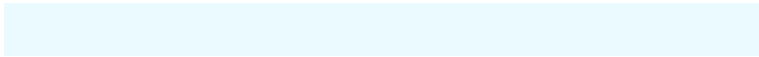
86.4966, 93.2534, 108.0486



87.8834, 93.2534, 110.3918

# Triad

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



86.4966, 93.2534, 108.0486



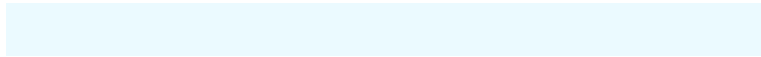
91.6747, 93.2534, 103.7097



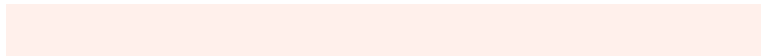
87.7866, 93.2534, 93.2396

# Complementary

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



86.4966, 93.2534, 108.0486



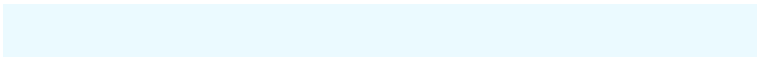
87.3948, 89.5764, 91.2827

# Split Complementary

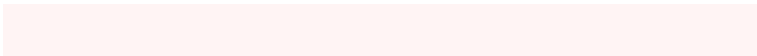
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3900, 93.2534, 93.1690



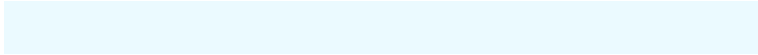
86.4966, 93.2534, 108.0486



91.6480, 93.2534, 99.1203

# Square

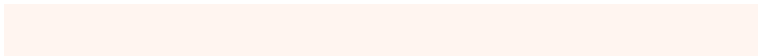
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



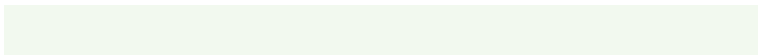
86.4966, 93.2534, 108.0486



90.8799, 93.2534, 107.8359



90.8075, 93.2534, 95.2926

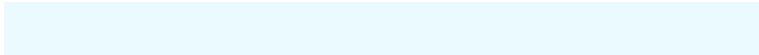


86.4265, 93.2534, 95.4885

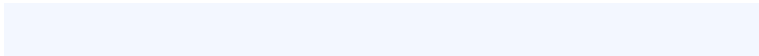


# Rectangle

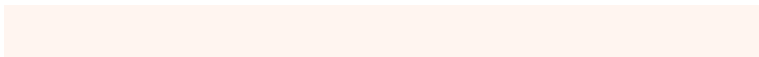
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.4966, 93.2534, 108.0486



88.9552, 93.2534, 110.6232



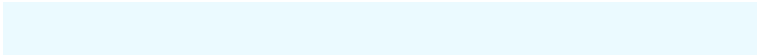
90.8075, 93.2534, 95.2926



88.3147, 93.2534, 92.9627

# Sweetspot

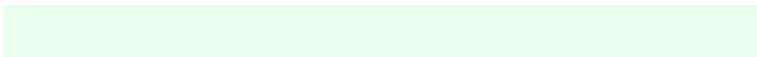
The Sweet Spot groups the original color and five complimentary colors.



86.4990, 93.2572, 108.0492



92.7935, 98.2355, 108.6784



85.7006, 95.4541, 96.0876



19.8853, 21.0450, 23.2640



0.0000, 0.0000, 0.0000

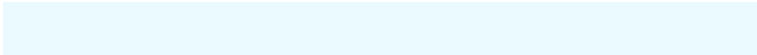


20.3446, 21.4041, 23.3091



# Same Dimension

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



86.4990, 93.2572, 108.0492



85.3036, 92.3015, 107.9277



83.5704, 87.4001, 107.0730



18.1481, 19.6679, 23.0897



19.3271, 23.5637, 52.9642



1.9683, 2.4672, 5.1858



# Inverse Universe

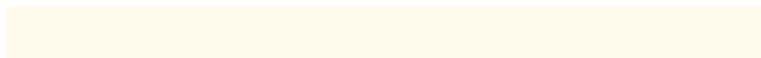
The Inverse Universe completely reimagines the original color for something new.



88.2051, 87.5804, 102.7029



87.2515, 85.8577, 101.8156



90.3180, 95.4229, 92.2571



18.5874, 18.2183, 21.7104



26.5436, 13.1067, 27.3108

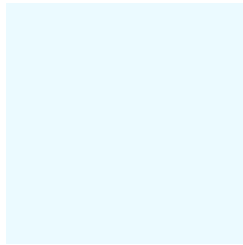


2.6281, 1.2936, 2.8890



# Previews

## White Background



This preview shows how the XYZ color 86.4966, 93.2534, 108.0486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

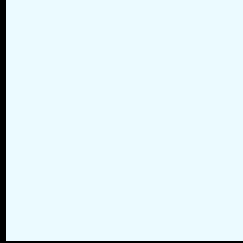
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.4966, 93.2534, 108.0486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

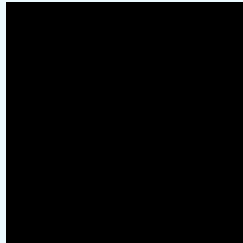
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

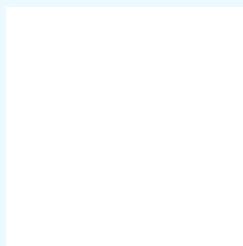
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.4966, 93.2534, 108.0486

## Background



This preview shows how black text looks on a background with the XYZ color 86.4966, 93.2534, 108.0486.



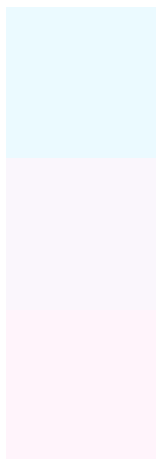
This preview shows how white text looks on a background with the XYZ color 86.4966, 93.2534,



# 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

86.4966, 93.2534, 108.0486

### Protanopia

89.9508, 93.2638, 105.3563

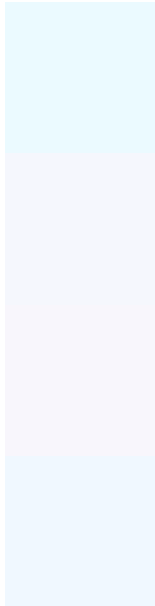
### Deuteranopia

91.0033, 92.9264, 104.4070

## **Tritanopia**

88.2729, 92.7962, 107.8667

# Trichromacy



## Original Color

86.4966, 93.2534, 108.0486

## Protanomaly

88.6466, 93.0259, 106.2121

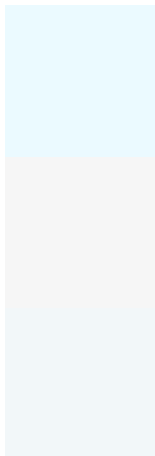
## Deuteranomaly

89.2379, 92.8963, 105.3229

## Tritanomaly

87.5526, 92.8801, 107.9209

# Monochromacy



## Original Color

86.4966, 93.2534, 108.0486

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.9776, 92.2383, 102.8421

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.4966, 93.2534, 108.0486 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, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 250, 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(235, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 86.4966, 93.2534, 108.0486 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, 250, 255) }
```



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

```
.border{ border-color:rgb(235, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.4966, 93.2534, 108.0486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 250, 255) }
```

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

```
.background{ background-color: rgb(235,  
250, 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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