

# Converting Colors

XYZ(88.3524, 95.9884,  
118.1310)

Have a look what the booklet for  
XYZ(88.3524, 95.9884, 118.1310)  
contains.

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# Color

**XYZ(86.4468, 95.0925,  
108.4062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FEFF
RGB	231, 254, 255
RGB Percent	91%, 100%, 100%
CMY	0.0941, 0.0039, 0.0000
CMYK	0.09, 0.00, 0.00, 0.00
HSL	182°, 100%, 95%
HSV	182°, 9%, 100%
XYZ	86.4468, 95.0925, 108.4062
YIQ	247.2370, -14.0290, -4.5650

# Conversions

## Conversions Part 2

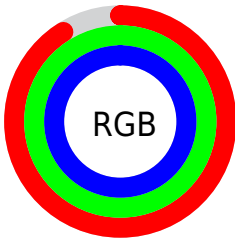
Format	Color
R <sub>Y</sub> B	231, 243, 255
Decimal	15204095
CIE Lab	98.07, -7.24, -3.03
CIE LCh	98, 7.853, 202.730
Yxy	95.0925, 0.2981, 0.3280
Android (android.graphics.Color)	4293394175 (0xFFE7FEFF)
YUV	247.2370, 3.8272, -14.2398
Hunter-Lab	97.5154, -12.4127, 2.3491

# Details

The XYZ color **86.4468, 95.0925, 108.4062** is a light color, and the websafe version is hex FFFFFFFF, and the color name is **bubbles**. A complement of this color would be **84.5198, 84.7410, 87.5049**, and the grayscale version is **88.5810, 93.1941, 101.4884**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8385, 53.1237, 61.1586** is the 20% darker color. If you saturate the color by 10%, you get **78.4747, 90.4888, 107.9378**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

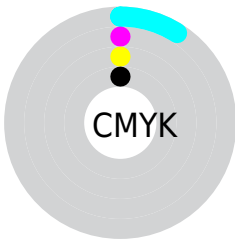
# Distribution



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



- Red (91%)
- Yellow (95%)
- Blue (100%)



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.4468, 95.0925, 108.4062 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 86.4468, 95.0925, 108.4062 by changing the saturation by 10% instead.




 86.4468, 95.0925,  
108.4062

 86.4468, 95.0925,  
108.4062

504.8152,  
544.4611, 608.2959

 65.3640, 72.2120,  
82.6833


141.2964,  
154.3924, 174.8145

 48.0221, 53.3318,  
61.3898


175.7940,  
191.5805, 216.3369

 34.0557, 38.0677,  
44.1073


215.4939,  
234.3067, 263.9629

 23.0995, 26.0353,  
30.4170

260.7614,  
282.9552, 318.1111

 14.7881, 16.8500,  
19.9006

311.9619,  
337.9105, 379.1999

 8.7561, 10.1276,  
12.1395

369.4608,

 4.6383, 5.4837,

399.5570, 447.6480

6.7150

433.6235,  
468.2790, 523.8738

■ 2.0692, 2.5337,  
3.2088

■ 0.6724, 0.8935,  
1.2022

■ 86.4468, 95.0925,  
108.4062

■ 86.4468, 95.0925,  
108.4062

■ 78.4747, 90.4888,  
107.9378

95.0500, 100.0000,  
108.9000

■ 71.6494, 86.4765,  
107.5231

■ 65.9179, 83.0308,  
107.1600

■ 61.2204, 80.1208,  
106.8460

■ 57.4910, 77.7127,  
106.5777

■ 54.6565, 75.7686,  
106.3519

■ 52.6332, 74.2455,  
106.1645

■ 51.3215, 73.0919,  
106.0110

■ 50.5685, 72.2290,  
105.8841

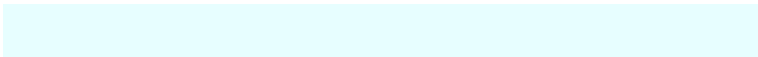
# Harmonies

## Analogous

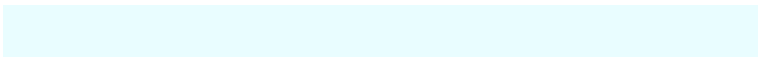
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1544, 95.0925, 101.9780



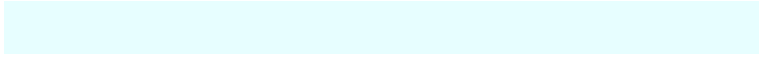
86.4468, 95.0925, 108.4062



87.7853, 95.0925, 113.7265

# Triad

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



86.4468, 95.0925, 108.4062



93.8729, 95.0925, 111.2333



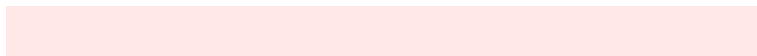
90.9317, 95.0925, 91.7174

# Complementary

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



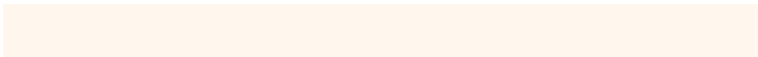
86.4468, 95.0925, 108.4062



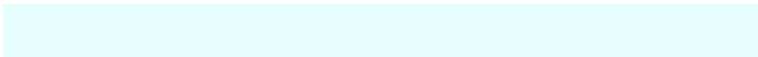
84.5198, 84.7410, 87.5049

# 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.



93.0305, 95.0925, 93.9799



86.4468, 95.0925, 108.4062



94.7468, 95.0925, 105.1170

# Square

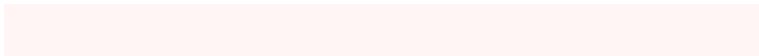
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4468, 95.0925, 108.4062



92.0663, 95.0925, 115.4055



94.4360, 95.0925, 98.8208

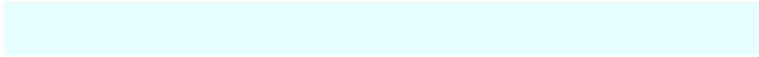


88.7195, 95.0925, 92.5163

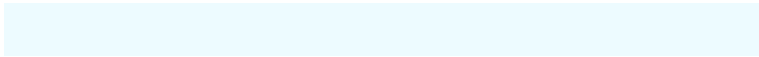


# Rectangle

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



86.4468, 95.0925, 108.4062



89.1030, 95.0925, 115.8404



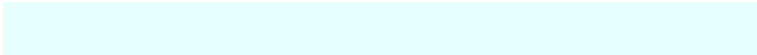
94.4360, 95.0925, 98.8208



91.6743, 95.0925, 92.1419

# Sweetspot

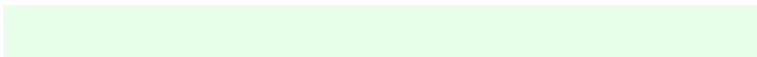
The Sweet Spot groups the original color and five complimentary colors.



86.4492, 95.0964, 108.4068



92.1903, 98.3757, 108.7372



83.2531, 94.3242, 90.0151



19.5729, 20.9656, 23.2651



0.0000, 0.0000, 0.0000

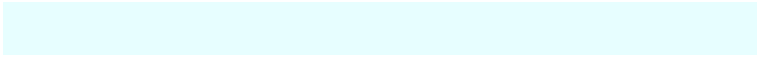


20.3446, 21.4041, 23.3091



# Same Dimension

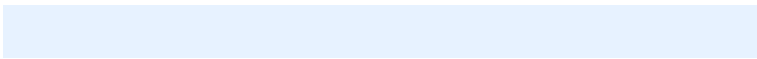
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4492, 95.0964, 108.4068



85.1031, 94.3233, 108.3286



82.8177, 87.8334, 107.1963



18.4865, 20.3447, 23.2025



26.4319, 37.7734, 55.3325



2.5928, 3.7164, 5.3939



# Inverse Universe

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



87.7068, 85.5692, 105.6644



86.5588, 83.3162, 105.1491



87.9550, 91.6113, 88.6499



18.7582, 18.2866, 22.6100



30.1298, 14.5412, 46.1955

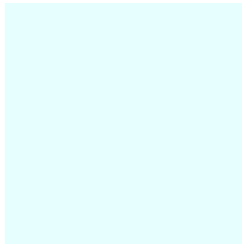


2.9433, 1.4197, 4.5491



# Previews

## White Background



This preview shows how the XYZ color 86.4468, 95.0925, 108.4062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

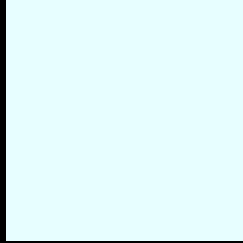
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.4468, 95.0925, 108.4062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

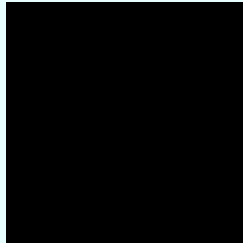
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.4468, 95.0925, 108.4062

## Background



This preview shows how black text looks on a background with the XYZ color 86.4468, 95.0925, 108.4062.



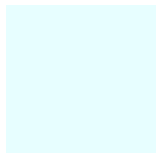
This preview shows how white text looks on a background with the XYZ color 86.4468, 95.0925,

108.4062.

# 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

86.4468, 95.0925, 108.4062



### Protanopia

91.4880, 94.9825, 104.7783

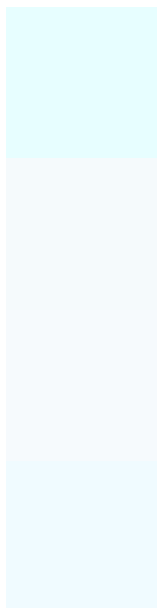
### Deuteranopia

92.0715, 94.8098, 105.5429

## **Tritanopia**

89.8918, 95.0037, 108.2075

# Trichromacy



## Original Color

86.4468, 95.0925, 108.4062

## Protanomaly

89.4125, 94.8120, 105.6835

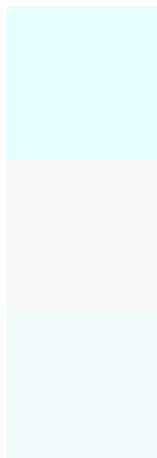
## Deuteranomaly

89.9213, 95.0559, 106.5368

## Tritanomaly

88.4824, 94.7396, 108.2308

# Monochromacy



## Original Color

86.4468, 95.0925, 108.4062

## Achromatopsia

88.4070, 93.0111, 101.2891

## Achromatomaly

87.7166, 93.9741, 103.9581

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.4468, 95.0925, 108.4062 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(231, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 254, 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(231, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 86.4468, 95.0925, 108.4062 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(231, 254, 255) }
```



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

```
.border{ border-color:rgb(231, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.4468, 95.0925, 108.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 254, 255) }
```

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

```
.background{ background-color: rgb(231,  
254, 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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