

# Converting Colors

XYZ(86.4354, 92.0715,  
109.6578)

Have a look what the booklet for  
XYZ(86.4354, 92.0715, 109.6578)  
contains.

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# Color

**XYZ(86.2095, 92.1877,  
107.8580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF8FF
RGB	236, 248, 255
RGB Percent	93%, 97%, 100%
CMY	0.0745, 0.0274, 0.0000
CMYK	0.07, 0.03, 0.00, 0.00
HSL	202°, 100%, 96%
HSV	202°, 7%, 100%
XYZ	86.2095, 92.1877, 107.8580
YIQ	245.2100, -9.3990, -0.3670

# Conversions

## Conversions Part 2

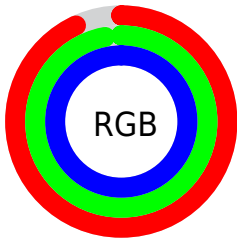
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 243, 255
Decimal	15530239
CIE Lab	96.90, -2.63, -4.72
CIE LCh	97, 5.403, 240.891
Yxy	92.1877, 0.3012, 0.3220
Android (android.graphics.Color)	4293720319 (0xFFECEF8FF)
YUV	245.2100, 4.8265, -8.0772
Hunter-Lab	96.0144, -7.7535, 0.6066

# Details

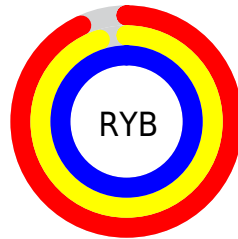
The XYZ color **86.2095, 92.1877, 107.8580** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **88.4302, 91.4153, 92.3426**, and the grayscale version is **86.9300, 91.4571, 99.5968**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8651, 51.4798, 60.8399** is the 20% darker color. If you saturate the color by 10%, you get **75.5261, 82.5047, 106.5521**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

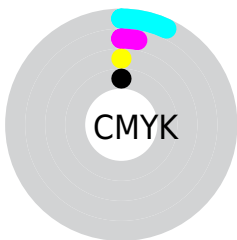
# Distribution



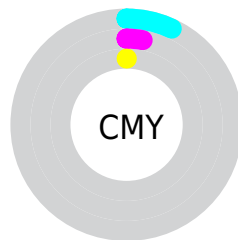
- Red (93%)
- Green (97%)
- Blue (100%)



- Red (93%)
- Yellow (95%)
- Blue (100%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.2095, 92.1877, 107.8580 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 86.2095, 92.1877, 107.8580 by changing the saturation by 10% instead.



86.2095, 92.1877,  
107.8580

86.2095, 92.1877,  
107.8580

504.0453,  
535.1220, 606.5635

65.1671, 69.7965,  
82.2257

140.9671,  
150.3735, 174.0604

47.8618, 51.3607,  
61.0147

175.4130,  
186.9370, 215.4676

33.9282, 36.4957,  
43.8064

215.0575,  
228.9933, 262.9703

23.0011, 24.8173,  
30.1823

260.2659,  
276.9269, 316.9869

14.7150, 15.9410,  
19.7238

311.4035,  
331.1222, 377.9360

8.7046, 9.4824,  
12.0123

368.8357,

4.6046, 5.0572,

391.9635, 446.2361

6.6294

432.9279,  
459.8353, 522.3057

■ 2.0495, 2.2808,  
3.1565

■ 0.6616, 0.7635,  
1.1751

■ 86.2095, 92.1877,  
107.8580

■ 86.2095, 92.1877,  
107.8580

■ 75.5261, 82.5047,  
106.5521

95.0500, 100.0000,  
108.9000

■ 66.1409, 73.7001,  
105.3473

■ 57.9993, 65.7453,  
104.2410

■ 51.0404, 58.6056,  
103.2296

■ 45.1973, 52.2431,  
102.3095

■ 40.3961, 46.6164,  
101.4765

■ 36.5531, 41.6787,  
100.7260

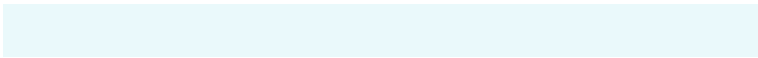
■ 33.5701, 37.3759,  
100.0527

■ 31.3196, 33.6384,  
99.4499

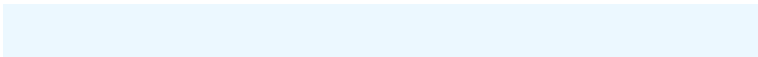
# Harmonies

## Analogous

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



85.1409, 92.1877, 104.7294



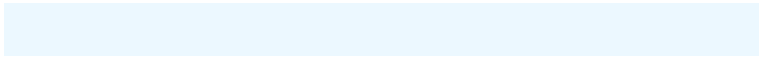
86.2095, 92.1877, 107.8580



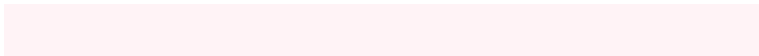
87.6670, 92.1877, 108.9683

# Triad

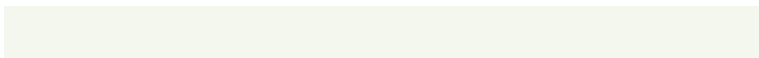
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.2095, 92.1877, 107.8580



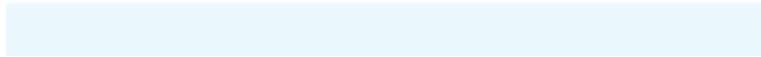
90.5723, 92.1877, 100.2469



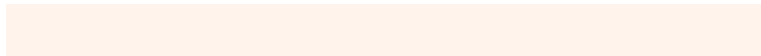
86.1318, 92.1877, 93.3734

# Complementary

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



86.2095, 92.1877, 107.8580



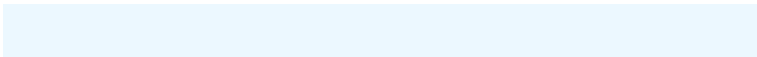
88.4302, 91.4153, 92.3426

# Split Complementary

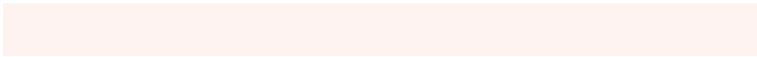
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5763, 92.1877, 92.2491



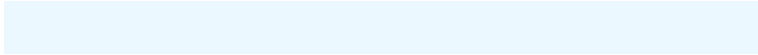
86.2095, 92.1877, 107.8580



90.1501, 92.1877, 96.1463

# Square

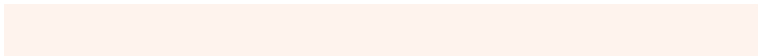
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.2095, 92.1877, 107.8580



90.1964, 92.1877, 104.4981



89.0491, 92.1877, 93.2497

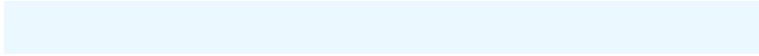


85.0964, 92.1877, 96.3652



# Rectangle

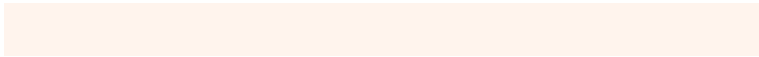
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



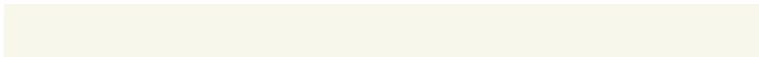
86.2095, 92.1877, 107.8580



88.6665, 92.1877, 108.3900



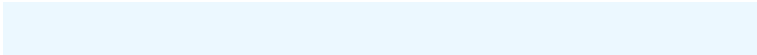
89.0491, 92.1877, 93.2497



86.5850, 92.1877, 92.7685

# Sweetspot

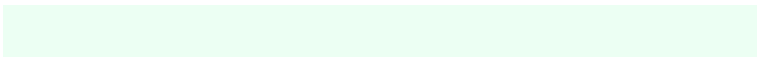
The Sweet Spot groups the original color and five complimentary colors.



86.2119, 92.1915, 107.8586



92.6024, 97.8534, 108.6147



86.5256, 95.8224, 98.7038



19.8464, 20.9672, 23.2510



0.0000, 0.0000, 0.0000

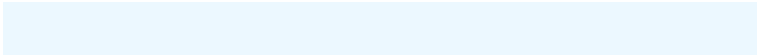


20.3446, 21.4041, 23.3091

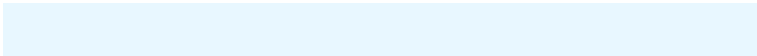


# Same Dimension

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



86.2119, 92.1915, 107.8586



84.4684, 90.6312, 107.6493



83.3733, 86.5144, 106.9124



17.9597, 19.2911, 23.0269



16.2493, 17.4081, 51.9383



1.6866, 1.9038, 5.0919



# Inverse Universe

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



88.1802, 88.0298, 101.1554



86.8299, 85.6891, 99.5957



91.3379, 97.2307, 93.3118



18.4923, 18.1802, 21.2097



24.9901, 12.4853, 19.1300

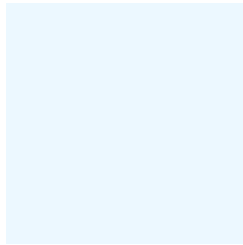


2.4859, 1.2367, 2.1402



# Previews

## White Background



This preview shows how the XYZ color 86.2095, 92.1877, 107.8580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

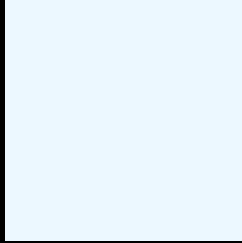
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.2095, 92.1877, 107.8580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

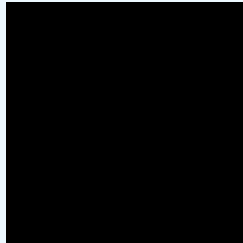
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

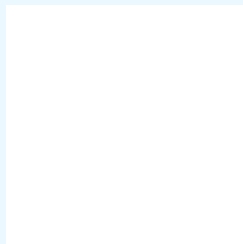
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.2095, 92.1877, 107.8580

## Background



This preview shows how black text looks on a background with the XYZ color 86.2095, 92.1877, 107.8580.



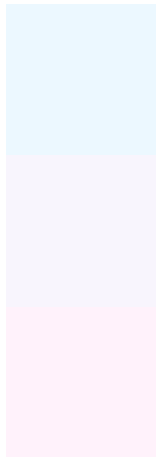
This preview shows how white text looks on a background with the XYZ color 86.2095, 92.1877,

107.8580.

# 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

86.2095, 92.1877, 107.8580

### Protanopia

89.0934, 92.3531, 106.0587

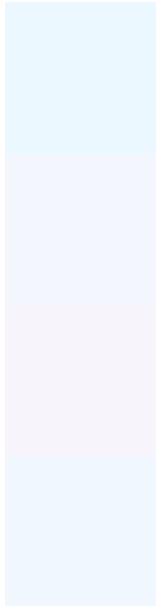
### Deuteranopia

90.4047, 91.7293, 104.2075

## Tritanopia

87.6237, 92.0088, 107.7489

# Trichromacy



## Original Color

86.2095, 92.1877, 107.8580

## Protanomaly

88.1534, 92.3004, 106.9355

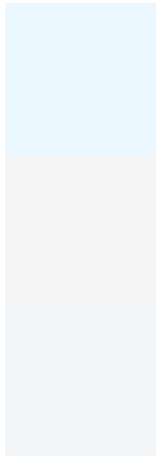
## Deuteranomaly

88.6328, 91.6861, 105.1212

## Tritanomaly

87.2459, 92.2668, 107.8187

# Monochromacy



## Original Color

86.2095, 92.1877, 107.8580

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.6726, 91.6283, 102.7404

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.2095, 92.1877, 107.8580 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(236, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(236, 248, 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(236, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 86.2095, 92.1877, 107.8580 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(236, 248, 255) }
```



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

```
.border{ border-color:rgb(236, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(236, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.2095, 92.1877, 107.8580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 248, 255) }
```

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

```
.background{ background-color: rgb(236,  
248, 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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