

# Converting Colors

XYZ(86.1323, 93.9589,  
108.2040)

Have a look what the booklet for  
XYZ(86.1323, 93.9589, 108.2040)  
contains.

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# **Color**

**XYZ(86.1391, 93.9966,  
108.2109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FCFF
RGB	232, 252, 255
RGB Percent	91%, 99%, 100%
CMY	0.0902, 0.0117, 0.0000
CMYK	0.09, 0.01, 0.00, 0.00
HSL	188°, 100%, 95%
HSV	188°, 9%, 100%
XYZ	86.1391, 93.9966, 108.2109
YIQ	246.3620, -12.8830, -3.3070

# Conversions

## Conversions Part 2

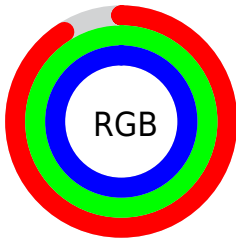
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 243, 255
Decimal	15269119
CIE Lab	97.63, -5.92, -3.67
CIE LCh	98, 6.969, 211.805
Yxy	93.9966, 0.2987, 0.3260
Android (android.graphics.Color)	4293459199 (0xFFE8FCFF)
YUV	246.3620, 4.2585, -12.5955
Hunter-Lab	96.9518, -11.0733, 1.6909

# Details

The XYZ color **86.1391, 93.9966, 108.2109** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5131, 86.5010, 88.5348**, and the grayscale version is **87.8665, 92.4424, 100.6698**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6126, 52.3375, 61.0188** is the 20% darker color. If you saturate the color by 10%, you get **77.4217, 87.9708, 107.5072**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

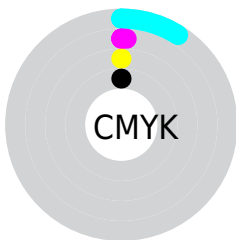
# Distribution



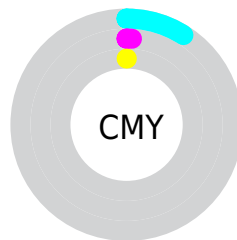
- Red (91%)
- Green (99%)
- Blue (100%)



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



- Cyan (9%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (9%)
- Magenta (1%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.1391, 93.9966, 108.2109 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 86.1391, 93.9966, 108.2109 by changing the saturation by 10% instead.




 86.1391, 93.9966,  
108.2109

 86.1391, 93.9966,  
108.2109


503.8168,  
540.9477, 607.6790

 65.1087, 71.3001,  
82.5203

140.8694,  
152.8776, 174.5459

 47.8142, 52.5872,  
61.2562


175.3000,  
189.8310, 216.0273

 33.8904, 37.4733,  
44.0000


214.9280,  
232.3054, 263.6094

 22.9719, 25.5742,  
30.3333

260.1188,  
280.6854, 317.7107

 14.6934, 16.5053,  
19.8375

311.2377,  
335.3551, 378.7498

 8.6894, 9.8824,  
12.0941

368.6501,

 4.5946, 5.3211,

396.6992, 447.1452

6.6845

432.7214,  
465.1019, 523.3154

■ 2.0437, 2.4369,  
3.1901

■ 0.6583, 0.8448,  
1.1925

■ 86.1391, 93.9966,  
108.2109

■ 86.1391, 93.9966,  
108.2109

■ 77.4217, 87.9708,  
107.5072

95.0500, 100.0000,  
108.9000

■ 69.8695, 82.5699,  
106.8628

■ 63.4296, 77.7693,  
106.2756

■ 58.0422, 73.5379,  
105.7428

■ 53.6416, 69.8417,  
105.2613

■ 50.1549, 66.6430,  
104.8277

■ 47.4988, 63.8986,  
104.4380

■ 45.5743, 61.5575,  
104.0875

■ 44.2354, 59.5443,  
103.7695

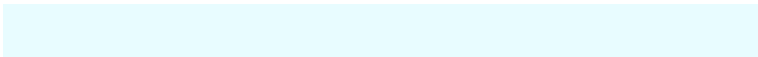
# Harmonies

## Analogous

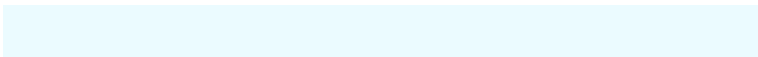
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5833, 93.9966, 102.6907



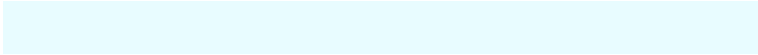
86.1391, 93.9966, 108.2109



87.5513, 93.9966, 112.2769

# Triad

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



86.1391, 93.9966, 108.2109



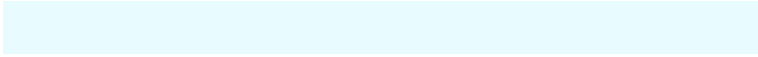
92.7443, 93.9966, 107.5937



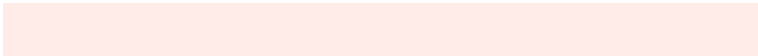
89.2209, 93.9966, 91.8137

# Complementary

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



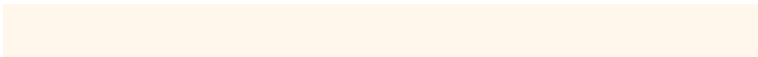
86.1391, 93.9966, 108.2109



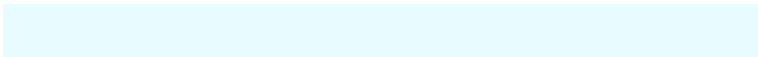
85.5131, 86.5010, 88.5348

# Split Complementary

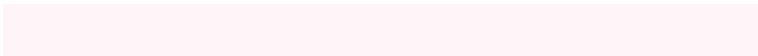
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.1549, 93.9966, 93.0193



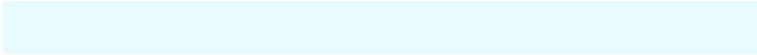
86.1391, 93.9966, 108.2109



93.2070, 93.9966, 102.0027

# Square

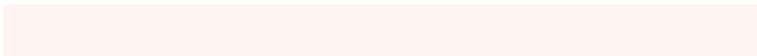
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.1391, 93.9966, 108.2109



91.3659, 93.9966, 111.9114



92.6212, 93.9966, 96.6975

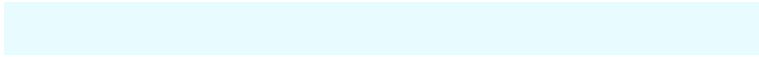


87.3462, 93.9966, 93.3424

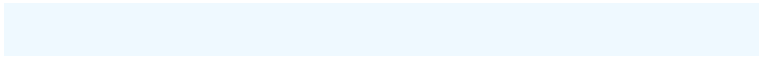


# Rectangle

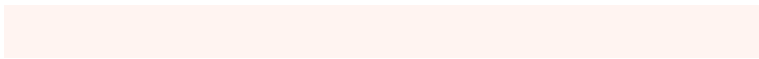
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.1391, 93.9966, 108.2109



88.7985, 93.9966, 113.5414



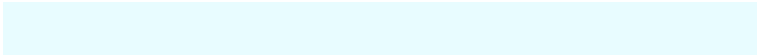
92.6212, 93.9966, 96.6975



89.8856, 93.9966, 91.9124

# Sweetspot

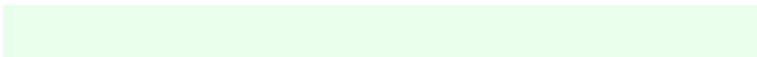
The Sweet Spot groups the original color and five complimentary colors.



86.1415, 94.0004, 108.2115



91.9744, 97.9440, 108.6652



83.9893, 94.6561, 92.2027



19.5144, 20.8486, 23.2456



0.0000, 0.0000, 0.0000

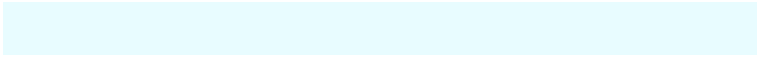


20.3446, 21.4041, 23.3091

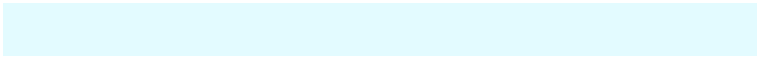


# Same Dimension

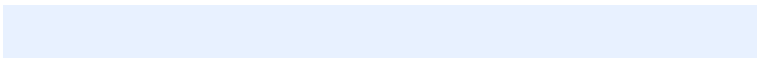
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1415, 94.0004, 108.2115



84.3187, 92.7546, 108.0671



82.7308, 87.1790, 107.0746



18.3412, 20.0541, 23.1541



23.1311, 31.1718, 54.2322



2.3059, 3.1426, 5.2983



# Inverse Universe

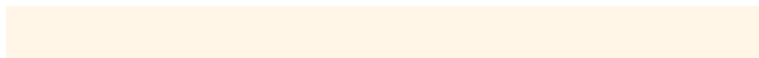
The Inverse Universe completely reimagines the original color for something new.



87.6688, 86.0030, 104.0797



86.1629, 83.1578, 103.0642



88.8176, 93.1099, 89.6363



18.6849, 18.2573, 22.2237



28.4637, 13.8748, 37.4220

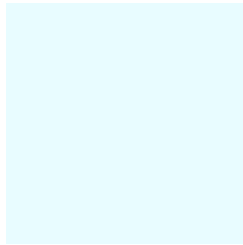


2.7985, 1.3618, 3.7865



# Previews

## White Background



This preview shows how the XYZ color 86.1391, 93.9966, 108.2109 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

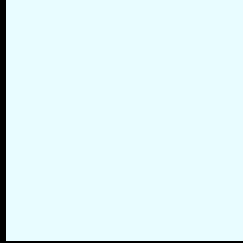
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.1391, 93.9966, 108.2109 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

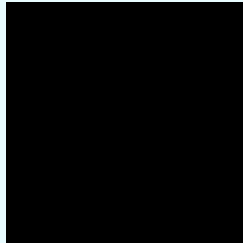
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.1391, 93.9966, 108.2109

## Background



This preview shows how black text looks on a background with the XYZ color 86.1391, 93.9966, 108.2109.



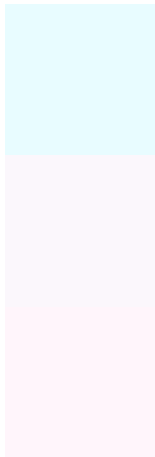
This preview shows how white text looks on a background with the XYZ color 86.1391, 93.9966,



# 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

86.1391, 93.9966, 108.2109

### Protanopia

90.6151, 94.0590, 105.4747

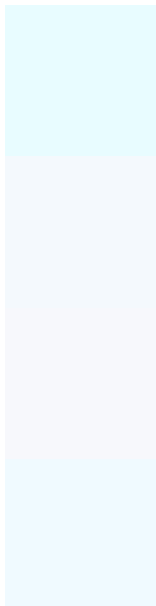
### Deuteranopia

91.3050, 93.5299, 104.5076

## **Tritanopia**

89.2339, 94.2045, 108.0879

# Trichromacy



## Original Color

86.1391, 93.9966, 108.2109

## Protanomaly

88.9135, 94.0763, 106.4008

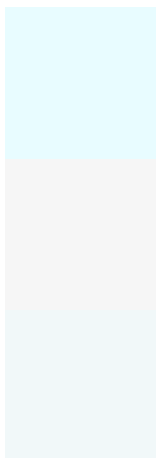
## Deuteranomaly

89.4959, 93.9372, 105.5102

## Tritanomaly

88.1708, 94.1165, 108.1269

# Monochromacy



## Original Color

86.1391, 93.9966, 108.2109

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.9419, 92.6751, 102.9283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.1391, 93.9966, 108.2109 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 252, 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, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 252, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 86.1391, 93.9966, 108.2109 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, 252, 255) }
```



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

```
.border{ border-color:rgb(232, 252, 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, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 252,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.1391, 93.9966, 108.2109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 252, 255) }
```

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

```
.background{ background-color: rgb(232,  
252, 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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