

# Converting Colors

XYZ(86.7114, 91.3487,  
107.6696)

Have a look what the booklet for  
XYZ(86.7114, 91.3487, 107.6696)  
contains.

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# Color

**XYZ(86.9409, 91.6568,  
107.7170)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F6FF
RGB	240, 246, 255
RGB Percent	94%, 96%, 100%
CMY	0.0588, 0.0353, 0.0000
CMYK	0.06, 0.04, 0.00, 0.00
HSL	216°, 100%, 97%
HSV	216°, 6%, 100%
XYZ	86.9409, 91.6568, 107.7170
YIQ	245.2320, -6.4650, 1.5270

# Conversions

## Conversions Part 2

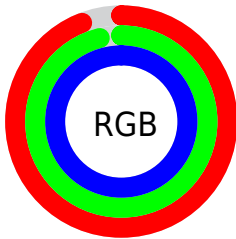
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 244, 255
Decimal	15791871
CIE Lab	96.68, -0.33, -5.01
CIE LCh	97, 5.019, 266.258
Yxy	91.6568, 0.3037, 0.3201
Android (android.graphics.Color)	4293981951 (0xFFFF0F6FF)
YUV	245.2320, 4.8156, -4.5885
Hunter-Lab	95.7376, -5.4418, 0.3075

# Details

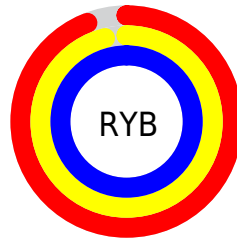
The XYZ color **86.9409, 91.6568, 107.7170** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.8429, 95.3003, 96.0463**, and the grayscale version is **86.9460, 91.4740, 99.6152**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3737, 51.0945, 60.7387** is the 20% darker color. If you saturate the color by 10%, you get **74.4241, 78.5834, 105.8533**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

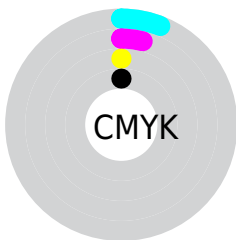
# Distribution



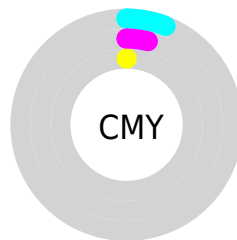
- Red (94%)
- Green (96%)
- Blue (100%)



- Red (94%)
- Yellow (96%)
- Blue (100%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.9409, 91.6568, 107.7170 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 86.9409, 91.6568, 107.7170 by changing the saturation by 10% instead.



86.9409, 91.6568,  
107.7170

86.9409, 91.6568,  
107.7170

506.4161,  
533.4057, 606.1175

65.7742, 69.3556,  
82.1081

141.9818,  
149.6376, 173.8664

48.3561, 51.0014,  
60.9183

176.5868,  
186.0861, 215.2440

34.3214, 36.2097,  
43.7291

216.4018,  
228.0190, 262.7148

23.3047, 24.5962,  
30.1220

261.7923,  
275.8209, 316.6975

14.9406, 15.7765,  
19.6783

313.1236,  
329.8762, 377.6106

8.8637, 9.3661,  
11.9797

370.7611,

4.7088, 4.9807,

390.5691, 445.8726

6.6075

435.0702,  
458.2842, 521.9021

■ 2.1104, 2.2360,  
3.1432

■ 0.6949, 0.7395,  
1.1682

■ 86.9409, 91.6568,  
107.7170

■ 86.9409, 91.6568,  
107.7170

■ 74.4241, 78.5834,  
105.8533

95.0500, 100.0000,  
108.9000

■ 63.4446, 66.8549,  
104.1681

■ 53.9415, 56.4282,  
102.6564

■ 45.8465, 47.2534,  
101.3122

■ 39.0858, 39.2770,  
100.1289

■ 33.5781, 32.4412,  
99.0998

■ 29.2325, 26.6821,  
98.2172

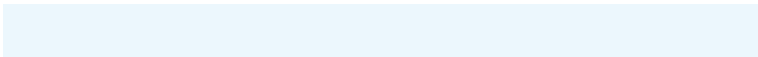
■ 25.9439, 21.9276,  
97.4728

■ 23.5839, 18.0926,  
96.8570

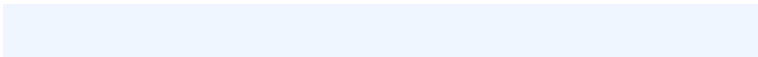
# Harmonies

## Analogous

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



85.6256, 91.6568, 106.3691



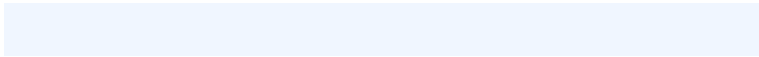
86.9409, 91.6568, 107.7170



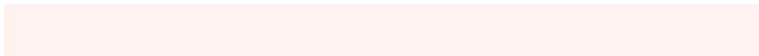
88.3173, 91.6568, 106.8967

# Triad

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



86.9409, 91.6568, 107.7170



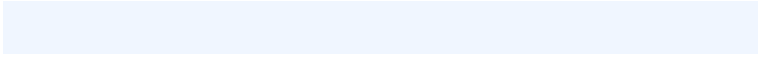
89.5614, 91.6568, 96.4160



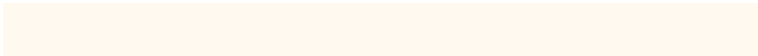
84.8907, 91.6568, 95.5640

# Complementary

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



86.9409, 91.6568, 107.7170



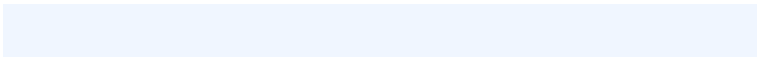
90.8429, 95.3003, 96.0463

# Split Complementary

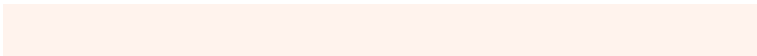
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9277, 91.6568, 93.0220



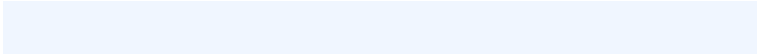
86.9409, 91.6568, 107.7170



88.6257, 91.6568, 93.5045

# Square

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



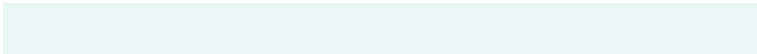
86.9409, 91.6568, 107.7170



89.8397, 91.6568, 100.3043



87.2934, 91.6568, 92.2782

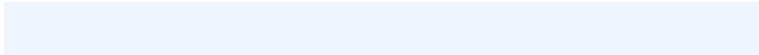


84.4499, 91.6568, 99.2947

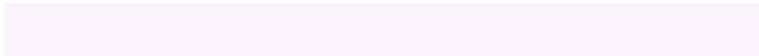


# Rectangle

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



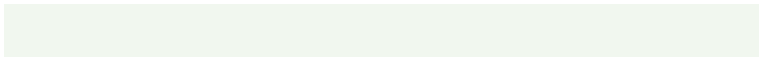
86.9409, 91.6568, 107.7170



89.0827, 91.6568, 105.2423



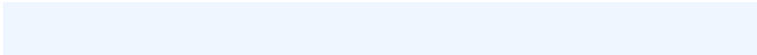
87.2934, 91.6568, 92.2782



85.1805, 91.6568, 94.5461

# Sweetspot

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



86.9433, 91.6606, 107.7176



92.2306, 97.1096, 108.4907



88.7558, 96.8696, 103.4386



19.7707, 20.8158, 23.2258



0.0000, 0.0000, 0.0000

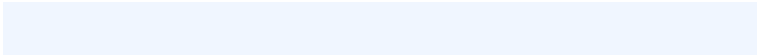


20.3446, 21.4041, 23.3091

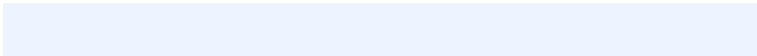


# Same Dimension

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



86.9433, 91.6606, 107.7176



85.4648, 90.1297, 107.5000



85.5722, 88.2863, 107.1386



18.1240, 19.1162, 22.9845



12.0547, 9.0189, 50.5401



1.2772, 1.0850, 4.9554



# Inverse Universe

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



89.0360, 90.2354, 99.9178



87.9417, 88.4649, 98.2638



92.2701, 98.8351, 96.6534



18.6981, 18.7330, 20.8429



22.8728, 11.6384, 7.9808

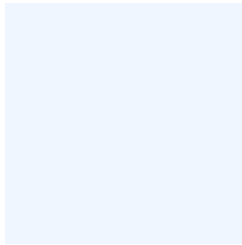


2.2793, 1.1541, 1.0520



# Previews

## White Background



This preview shows how the XYZ color 86.9409, 91.6568, 107.7170 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

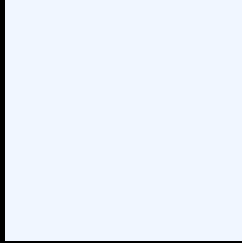
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.9409, 91.6568, 107.7170 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

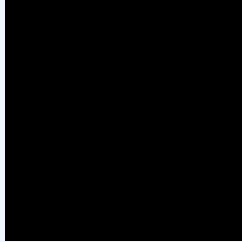
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

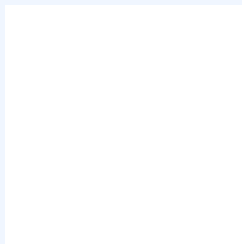
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.9409, 91.6568, 107.7170

## Background



This preview shows how black text looks on a background with the XYZ color 86.9409, 91.6568, 107.7170.



This preview shows how white text looks on a background with the XYZ color 86.9409, 91.6568,



# 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

86.9409, 91.6568, 107.7170

### Protanopia

88.5978, 91.6313, 106.7829

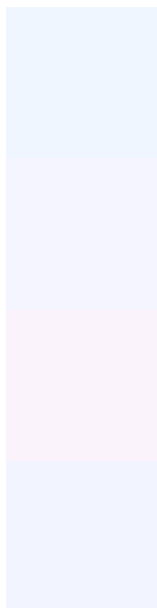
### Deuteranopia

90.4047, 91.7293, 104.2075

## **Tritanopia**

87.6646, 91.5795, 107.6639

# Trichromacy



## Original Color

86.9409, 91.6568, 107.7170

## Protanomaly

87.8500, 91.6937, 106.8344

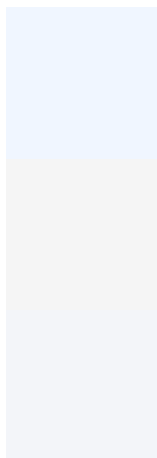
## Deuteranomaly

89.0456, 91.4535, 105.0545

## Tritanomaly

87.3204, 91.4021, 107.6478

# Monochromacy



## Original Color

86.9409, 91.6568, 107.7170

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.7134, 91.1991, 102.6554

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.9409, 91.6568, 107.7170 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(240, 246, 255) looks like.

```
.text, #text, p{  
    color:rgb(240, 246, 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(240, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 86.9409, 91.6568, 107.7170 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(240, 246, 255) }
```



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

```
.border{ border-color:rgb(240, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.9409, 91.6568, 107.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 246, 255) }
```

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

```
.background{ background-color: rgb(240,  
246, 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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