

# Converting Colors

XYZ(84.4210, 91.7566,  
107.8691)

Have a look what the booklet for  
XYZ(84.4210, 91.7566, 107.8691)  
contains.

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# **Color**

**XYZ(84.5588, 91.7944,  
107.8691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6F9FF
RGB	230, 249, 255
RGB Percent	90%, 98%, 100%
CMY	0.0980, 0.0235, 0.0000
CMYK	0.10, 0.02, 0.00, 0.00
HSL	194°, 100%, 95%
HSV	194°, 10%, 100%
XYZ	84.5588, 91.7944, 107.8691
YIQ	244.0030, -13.2500, -2.1620

# Conversions

## Conversions Part 2

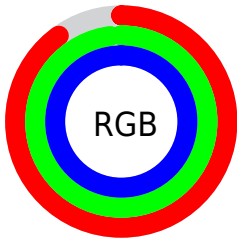
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 241, 255
Decimal	15137279
CIE Lab	96.74, -5.04, -5.00
CIE LCh	97, 7.106, 224.773
Yxy	91.7944, 0.2975, 0.3230
Android (android.graphics.Color)	4293327359 (0xFFE6F9FF)
YUV	244.0030, 5.4215, -12.2806
Hunter-Lab	95.8094, -10.1271, 0.3136

# Details

The XYZ color **84.5588, 91.7944, 107.8691** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5176, 86.9621, 87.1425**, and the grayscale version is **85.9592, 90.4357, 98.4845**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7186, 51.2158, 60.8494** is the 20% darker color. If you saturate the color by 10%, you get **75.1076, 84.1643, 106.8945**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

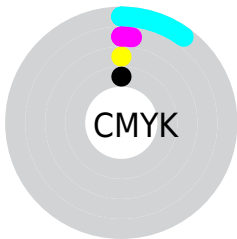
# Distribution



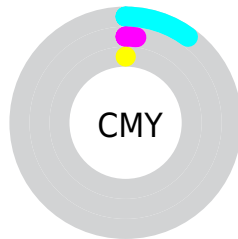
- Red (90%)
- Green (98%)
- Blue (100%)



- Red (90%)
- Yellow (95%)
- Blue (100%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.5588, 91.7944, 107.8691 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 84.5588, 91.7944, 107.8691 by changing the saturation by 10% instead.



84.5588, 91.7944,  
107.8691

84.5588, 91.7944,  
107.8691

498.6727,  
533.8508, 606.5986

63.7982, 69.4699,  
82.2350

138.6738,  
149.8284, 174.0757

46.7483, 51.0945,  
61.0223

172.7589,  
186.3067, 215.4853

33.0438, 36.2838,  
43.8125

212.0161,  
228.2716, 262.9904

22.3194, 24.6535,  
30.1870

256.8109,  
276.1077, 317.0097

14.2097, 15.8191,  
19.7273

307.5086,  
330.1993, 377.9616

8.3493, 9.3962,  
12.0149

364.4746,

4.3730, 5.0005,

390.9307, 446.2647

6.6312

428.0742,  
458.6864, 522.3375

■ 1.9152, 2.2476,  
3.1576

■ 0.5857, 0.7457,  
1.1757

■ 84.5588, 91.7944,  
107.8691

■ 84.5588, 91.7944,  
107.8691

■ 75.1076, 84.1643,  
106.8945

95.0500, 100.0000,  
108.9000

■ 66.8602, 77.2427,  
105.9932

■ 59.7630, 71.0036,  
105.1630

■ 53.7551, 65.4148,  
104.4009

■ 48.7700, 60.4412,  
103.7036

■ 44.7335, 56.0434,  
103.0675

■ 41.5606, 52.1769,  
102.4884

■ 39.1505, 48.7886,  
101.9614

■ 37.3419, 45.7945,  
101.4788

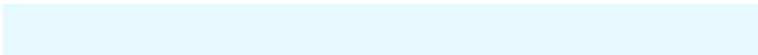
# Harmonies

## Analogous

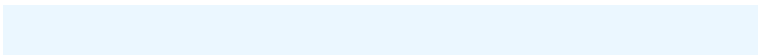
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5990, 91.7944, 102.7696



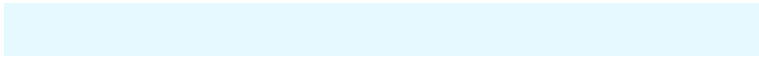
84.5588, 91.7944, 107.8691



86.2464, 91.7944, 110.9026

# Triad

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



84.5588, 91.7944, 107.8691



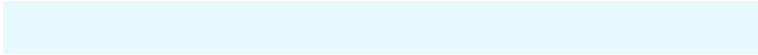
90.9932, 91.7944, 102.8553



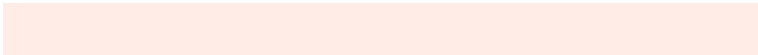
86.2755, 91.7944, 89.7196

# Complementary

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



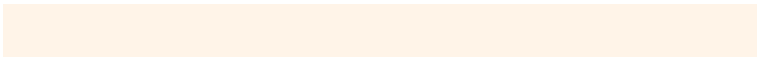
84.5588, 91.7944, 107.8691



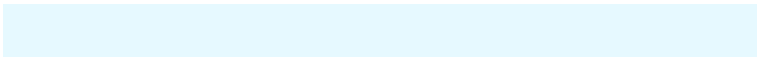
85.5176, 86.9621, 87.1425

# 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.



88.2570, 91.7944, 89.7405



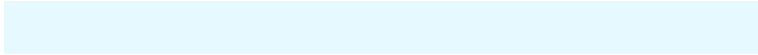
84.5588, 91.7944, 107.8691



91.0013, 91.7944, 97.1795

# Square

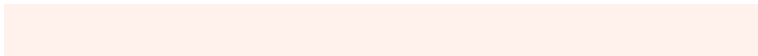
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



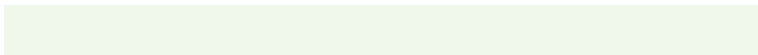
84.5588, 91.7944, 107.8691



89.9713, 91.7944, 107.9339



89.9933, 91.7944, 92.4254

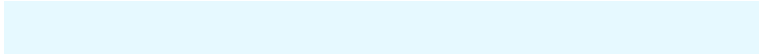


84.5798, 91.7944, 92.3670

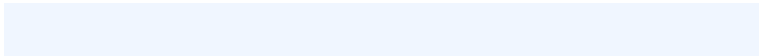


# Rectangle

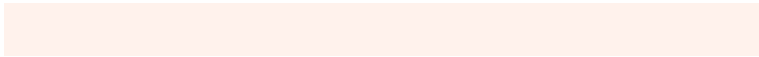
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5588, 91.7944, 107.8691



87.5667, 91.7944, 111.2748



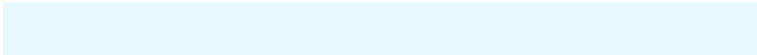
89.9933, 91.7944, 92.4254



86.9298, 91.7944, 89.4181

# Sweetspot

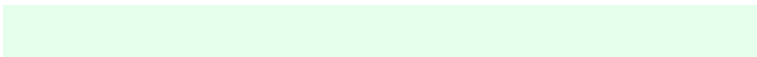
The Sweet Spot groups the original color and five complimentary colors.



84.5612, 91.7981, 107.8697



91.7089, 97.4130, 108.5768



83.5101, 94.3899, 93.0488



19.4426, 20.7049, 23.2217



0.0000, 0.0000, 0.0000

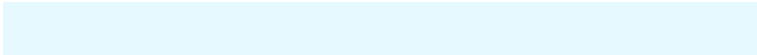


20.3446, 21.4041, 23.3091

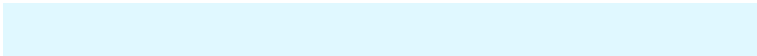


# Same Dimension

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



84.5612, 91.7981, 107.8697



82.3782, 90.0586, 107.6490



80.8720, 84.4197, 106.6400



18.1641, 19.6998, 23.0950



19.6165, 24.1425, 53.0607



1.9943, 2.5193, 5.1944



# Inverse Universe

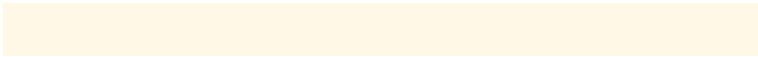
The Inverse Universe completely reimagines the original color for something new.



86.6371, 84.6947, 101.4085



84.8942, 81.5429, 99.7974



89.1934, 94.3136, 88.3677



18.5955, 18.2215, 21.7529



26.6897, 13.1652, 28.0800

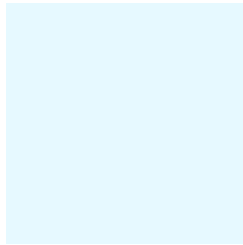


2.6412, 1.2989, 2.9582



# Previews

## White Background



This preview shows how the XYZ color 84.5588, 91.7944, 107.8691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

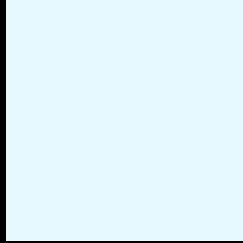
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.5588, 91.7944, 107.8691 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

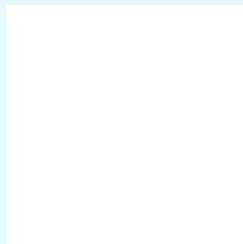
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.5588, 91.7944, 107.8691

## Background



This preview shows how black text looks on a background with the XYZ color 84.5588, 91.7944, 107.8691.



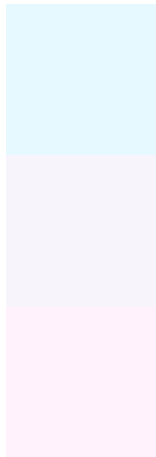
This preview shows how white text looks on a background with the XYZ color 84.5588, 91.7944,

107.8691.

# 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

84.5588, 91.7944, 107.8691

### Protanopia

88.6328, 91.6861, 105.1212

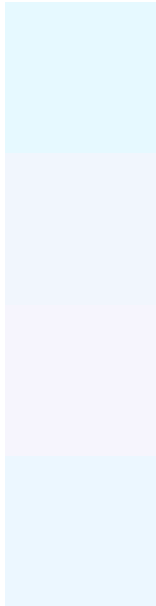
### Deuteranopia

90.5628, 91.7925, 105.0400

## **Tritanopia**

86.9409, 91.6568, 107.7170

# Trichromacy



## Original Color

84.5588, 91.7944, 107.8691

## Protanomaly

86.9610, 91.7042, 106.0458

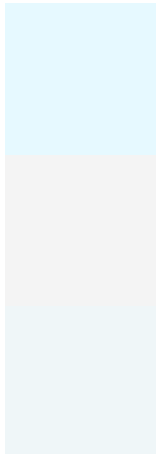
## Deuteranomaly

88.3881, 91.9895, 106.0257

## Tritanomaly

85.9028, 91.5744, 107.7558

# Monochromacy



## Original Color

84.5588, 91.7944, 107.8691

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

85.4956, 91.0396, 101.8732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.5588, 91.7944, 107.8691 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(230, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 249, 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(230, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 249, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.5588, 91.7944, 107.8691 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(230, 249, 255) }
```



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

```
.border{ border-color:rgb(230, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 249,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.5588, 91.7944, 107.8691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 249, 255) }
```

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

```
.background{ background-color: rgb(230,  
249, 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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