

# Converting Colors

XYZ(85.8845, 88.9497,  
107.2502)

Have a look what the booklet for  
XYZ(85.8845, 88.9497, 107.2502)  
contains.

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# **Color**

**XYZ(85.7809, 88.8314,  
107.2328)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1F1FF
RGB	241, 241, 255
RGB Percent	95%, 95%, 100%
CMY	0.0549, 0.0549, 0.0000
CMYK	0.05, 0.05, 0.00, 0.00
HSL	240°, 100%, 97%
HSV	240°, 5%, 100%
XYZ	85.7809, 88.8314, 107.2328
YIQ	242.5960, -4.4940, 4.3540

# Conversions

## Conversions Part 2

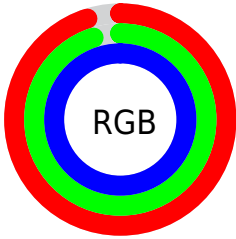
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 241, 255
Decimal	15856127
CIE Lab	95.51, 2.55, -6.73
CIE LCh	96, 7.192, 290.740
Yxy	88.8314, 0.3044, 0.3152
Android (android.graphics.Color)	4294046207 (0xFFFF1F1FF)
YUV	242.5960, 6.1152, -1.3997
Hunter-Lab	94.2504, -2.4785, -1.4815

# Details

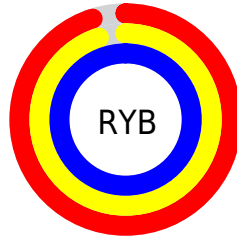
The XYZ color **85.7809, 88.8314, 107.2328** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.8762, 99.1284, 97.4591**, and the grayscale version is **84.8280, 89.2457, 97.1886**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5496, 49.0894, 60.3952** is the 20% darker color. If you saturate the color by 10%, you get **70.6532, 70.6057, 104.5122**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

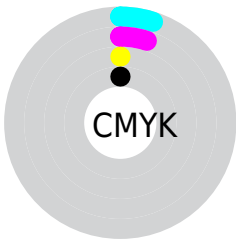
# Distribution



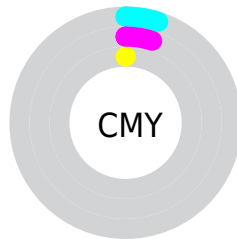
- Red (95%)
- Green (95%)
- Blue (100%)



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



- Cyan (5%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.7809, 88.8314, 107.2328 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 85.7809, 88.8314, 107.2328 by changing the saturation by 10% instead.




 85.7809, 88.8314,  
107.2328

 85.7809, 88.8314,  
107.2328


502.6533,  
524.2221, 604.5847

 64.8115, 67.0118,  
81.7041


140.3721,  
145.7141, 173.2000

 47.5724, 49.0942,  
60.5873

174.7246,  
181.5460, 214.4756

 33.6982, 34.6942,  
43.4638


214.2688,  
222.8175, 261.8372

 22.8236, 23.4274,  
29.9151

259.3701,  
269.9129, 315.7034

 14.5833, 14.9094,  
19.5226

310.3939,  
323.2167, 376.4927

 8.6119, 8.7559,  
11.8679

367.7054,

 4.5440, 4.5823,

383.1132, 444.6236

6.5323

431.6701,  
449.9869, 520.5148

■ 2.0142, 2.0043,  
3.0974

■ 0.6419, 0.6100,  
1.1446

■ 85.7809, 88.8314,  
107.2328

■ 85.7809, 88.8314,  
107.2328

■ 70.6532, 70.6057,  
104.5122

95.0500, 100.0000,  
108.9000

■ 57.7035, 55.0031,  
102.1831

■ 46.8337, 41.9061,  
100.2280

■ 37.9354, 31.1844,  
98.6275

■ 30.8906, 22.6957,  
97.3603

■ 25.5684, 16.2823,  
96.4029

■ 21.8213, 11.7665,  
95.7288

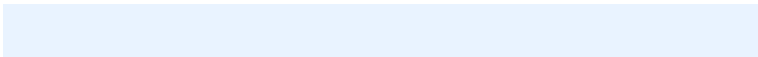
■ 19.4766, 8.9405,  
95.3069

■ 18.3211, 7.5473,  
95.0989

# Harmonies

## Analogous

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



83.8232, 88.8314, 107.8359



85.7809, 88.8314, 107.2328



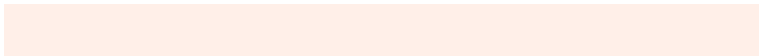
87.4003, 88.8314, 103.7554

# Triad

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



85.7809, 88.8314, 107.2328



86.8529, 88.8314, 88.5588



80.7458, 88.8314, 94.9861

# Complementary

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



85.7809, 88.8314, 107.2328



92.8762, 99.1284, 97.4591

# 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.



81.5308, 88.8314, 90.0144



85.7809, 88.8314, 107.2328



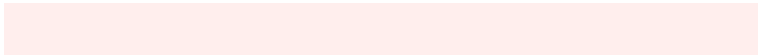
85.0429, 88.8314, 86.3998

# Square

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



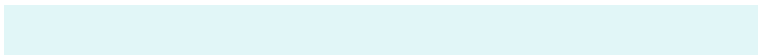
85.7809, 88.8314, 107.2328



88.0259, 88.8314, 92.9290



83.0965, 88.8314, 86.9221



80.9364, 88.8314, 100.6174



# Rectangle

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



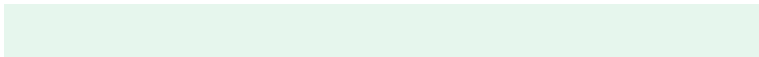
85.7809, 88.8314, 107.2328



88.0604, 88.8314, 100.3471



83.0965, 88.8314, 86.9221



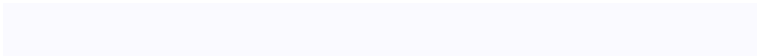
80.9039, 88.8314, 93.1858

# Sweetspot

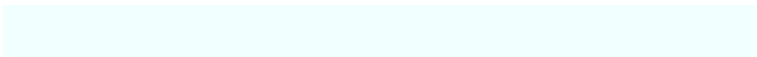
The Sweet Spot groups the original color and five complimentary colors.



85.7832, 88.8351, 107.2334



91.5935, 95.8355, 108.2783



90.0487, 97.4261, 108.4700



19.6410, 20.5563, 23.1825



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.



85.7832, 88.8351, 107.2334



83.3543, 85.9086, 106.7965



88.1348, 90.0456, 107.3431



17.6366, 18.1414, 22.8220



9.4321, 3.7738, 49.6659



0.9185, 0.3677, 4.8358

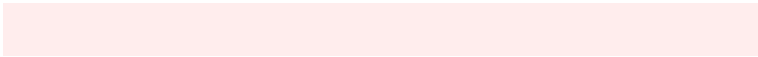


# Inverse Universe

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



88.5739, 90.5228, 96.0279



86.8764, 88.0388, 92.6539



90.4319, 97.8703, 97.3450



18.4521, 18.6346, 19.5475



21.5491, 11.1089, 1.0100

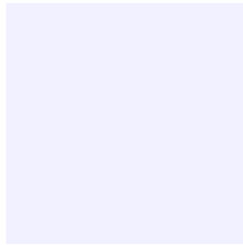


2.0982, 1.0817, 0.0987



# Previews

## White Background



This preview shows how the XYZ color 85.7809, 88.8314, 107.2328 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

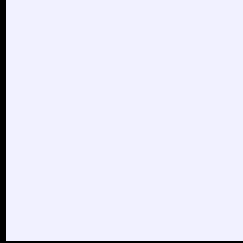
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.7809, 88.8314, 107.2328 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

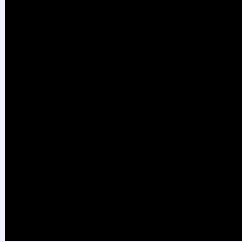
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.7809, 88.8314, 107.2328

## Background



This preview shows how black text looks on a background with the XYZ color 85.7809, 88.8314, 107.2328.



This preview shows how white text looks on a background with the XYZ color 85.7809, 88.8314,



# 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

85.7809, 88.8314, 107.2328

### Protanopia

86.4674, 89.1853, 107.2649

### Deuteranopia

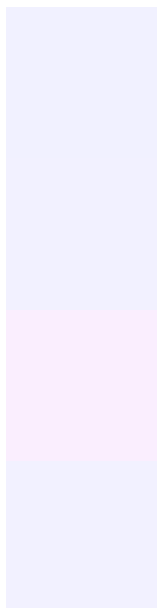
89.2538, 88.9202, 105.3876



## Tritanopia

86.1232, 89.0078, 107.2488

# Trichromacy



## Original Color

85.7809, 88.8314, 107.2328

## Protanomaly

86.1232, 89.0078, 107.2488

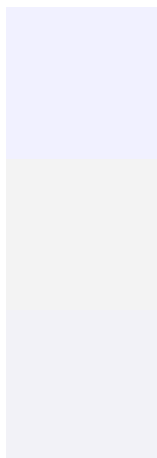
## Deuteranomaly

87.8883, 88.6288, 106.2408

## Tritanomaly

86.1232, 89.0078, 107.2488

# Monochromacy



## Original Color

85.7809, 88.8314, 107.2328

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.1586, 89.0969, 100.7048

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.7809, 88.8314, 107.2328 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(241, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 241, 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(241, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 241, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.7809, 88.8314, 107.2328 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(241, 241, 255) }
```



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

```
.border{ border-color:rgb(241, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 241,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.7809, 88.8314, 107.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 241, 255) }
```

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

```
.background{ background-color: rgb(241,  
241, 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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