

# Converting Colors

XYZ(88.7619, 90.6628,  
109.5140)

Have a look what the booklet for  
XYZ(88.7619, 90.6628, 109.5140)  
contains.

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# Color

**XYZ(88.5135, 90.6807,  
107.4457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F2FF
RGB	248, 242, 255
RGB Percent	97%, 95%, 100%
CMY	0.0274, 0.0510, 0.0000
CMYK	0.03, 0.05, 0.00, 0.00
HSL	268°, 100%, 97%
HSV	268°, 5%, 100%
XYZ	88.5135, 90.6807, 107.4457
YIQ	245.2760, -0.5970, 5.3150

# Conversions

## Conversions Part 2

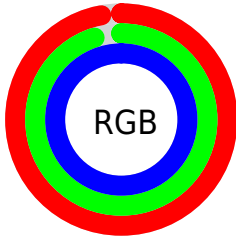
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	248, 242, 255
Decimal	16315135
CIE <sub>Lab</sub>	96.28, 4.31, -5.53
CIE <sub>LCh</sub>	96, 7.014, 307.930
Yxy	90.6807, 0.3088, 0.3164
Android (android.graphics.Color)	4294505215 (0xFF8F2FF)
YUV	245.2760, 4.7939, 2.3889
Hunter-Lab	95.2264, -0.7294, -0.2395

# Details

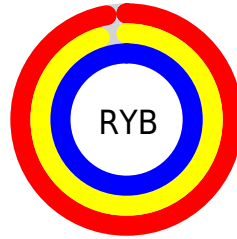
The XYZ color **88.5135, 90.6807, 107.4457** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **90.8563, 98.0716, 98.1500**, and the grayscale version is **86.9783, 91.5079, 99.6521**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.4902, 50.4015, 60.5461** is the 20% darker color. If you saturate the color by 10%, you get **76.7555, 74.1292, 104.8707**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

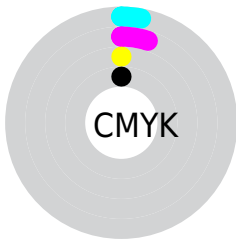
# Distribution



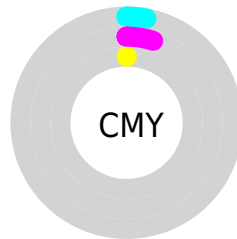
- Red (97%)
- Green (95%)
- Blue (100%)



- Red (97%)
- Yellow (95%)
- Blue (100%)



- Cyan (3%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (3%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.5135, 90.6807, 107.4457 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 88.5135, 90.6807, 107.4457 by changing the saturation by 10% instead.



88.5135, 90.6807,  
107.4457

88.5135, 90.6807,  
107.4457

511.4936,  
530.2427, 605.2589

67.0806, 68.5454,  
81.8817

144.1607,  
148.2836, 173.4931

49.4211, 50.3415,  
60.7328

179.1058,  
184.5199, 214.8135

35.1695, 35.6848,  
43.5804

219.2856,  
226.2253, 262.2232

23.9606, 24.1909,  
30.0060

265.0655,  
273.7842, 316.1406

15.4290, 15.4753,  
19.5911

316.8110,  
327.5810, 376.9844

9.2093, 9.1536,  
11.9170

374.8872,

4.9361, 4.8415,

388.0000, 445.1730

6.5653

439.6596,  
455.4258, 521.1250

■ 2.2442, 2.1546,  
3.1175

■ 0.7659, 0.6951,  
1.1549

■ 88.5135, 90.6807,  
107.4457

■ 88.5135, 90.6807,  
107.4457

■ 76.7555, 74.1292,  
104.8707

95.0500, 100.0000,  
108.9000

■ 66.3594, 59.7833,  
102.6496

■ 57.2732, 47.5499,  
100.7672

■ 49.4385, 37.3242,  
99.2063

■ 42.7923, 28.9926,  
97.9485

■ 37.2652, 22.4296,  
96.9730

■ 32.7797, 17.4939,  
96.2567

■ 29.2467, 14.0213,  
95.7726

■ 26.5578, 11.8103,  
95.4876

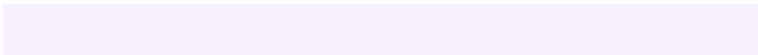
# Harmonies

## Analogous

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



86.7074, 90.6807, 109.7520



88.5135, 90.6807, 107.4457



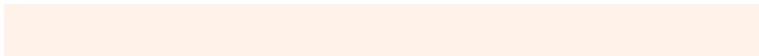
89.7091, 90.6807, 102.8237

# Triad

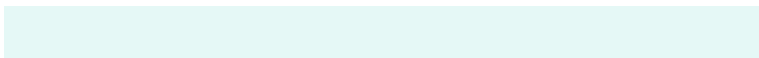
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.5135, 90.6807, 107.4457



87.6051, 90.6807, 89.1198



82.5306, 90.6807, 100.2240

# Complementary

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



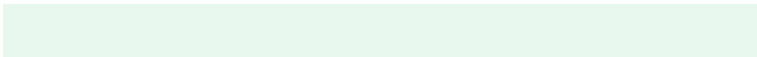
88.5135, 90.6807, 107.4457



90.8563, 98.0716, 98.1500

# 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.



82.7628, 90.6807, 94.7578



88.5135, 90.6807, 107.4457



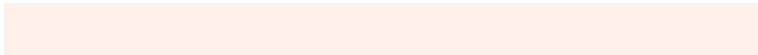
85.6733, 90.6807, 88.4827

# Square

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



88.5135, 90.6807, 107.4457



89.1791, 90.6807, 92.2843



83.9061, 90.6807, 90.5099



83.2670, 90.6807, 105.4813

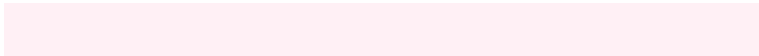


# Rectangle

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



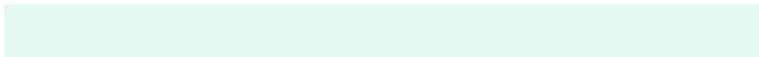
88.5135, 90.6807, 107.4457



89.9889, 90.6807, 99.1240



83.9061, 90.6807, 90.5099



82.4981, 90.6807, 98.3487

# Sweetspot

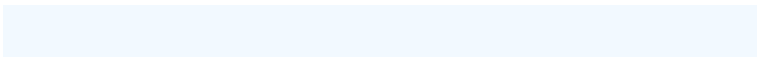
The Sweet Spot groups the original color and five complimentary colors.



88.5159, 90.6845, 107.4463



92.4412, 96.2719, 108.3179



88.5928, 93.9440, 108.0714



19.8136, 20.6452, 23.1906



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.



88.5159, 90.6845, 107.4463



87.3950, 89.0942, 107.1984



90.8052, 91.8647, 107.5534



18.5344, 18.8265, 22.9070



13.4796, 5.8595, 49.8551

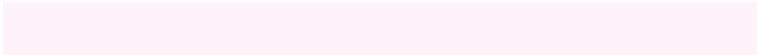


1.4369, 0.6346, 4.8600



# Inverse Universe

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



90.0934, 91.6075, 102.5594



89.2458, 90.1773, 101.4604



88.6312, 96.9246, 98.0459



18.9725, 19.0829, 21.5478



23.9970, 12.0881, 13.9008

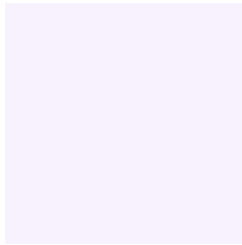


2.3917, 1.1991, 1.6441



# Previews

## White Background



This preview shows how the XYZ color 88.5135, 90.6807, 107.4457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

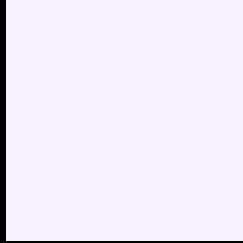
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.5135, 90.6807, 107.4457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

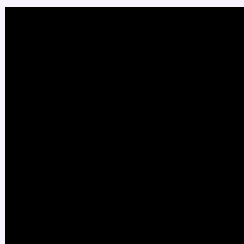
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

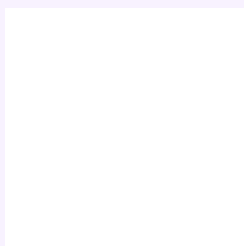
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 88.5135, 90.6807, 107.4457

## Background



This preview shows how black text looks on a background with the XYZ color 88.5135, 90.6807, 107.4457.



This preview shows how white text looks on a background with the XYZ color 88.5135, 90.6807,



# 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

88.5135, 90.6807, 107.4457

### Protanopia

87.7568, 90.7337, 107.4958

### Deuteranopia

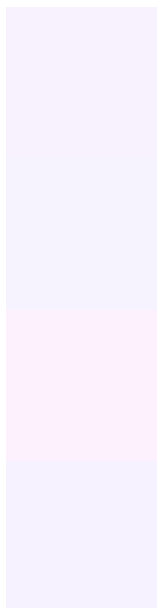
89.8127, 90.5452, 104.0101



## Tritanopia

88.1599, 90.4984, 107.4292

# Trichromacy



## Original Color

88.5135, 90.6807, 107.4457

## Protanomaly

88.1066, 90.9140, 107.5122

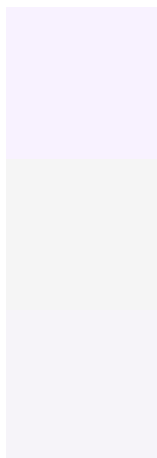
## Deuteranomaly

89.1709, 90.6343, 104.8898

## Tritanomaly

88.1599, 90.4984, 107.4292

# Monochromacy



## Original Color

88.5135, 90.6807, 107.4457

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

87.4556, 91.1338, 102.6037

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.5135, 90.6807, 107.4457 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(248, 242, 255) looks like.

```
.text, #text, p{  
    color:rgb(248, 242, 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(248, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 242, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 88.5135, 90.6807, 107.4457 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(248, 242, 255) }
```



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

```
.border{ border-color:rgb(248, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 242,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.5135, 90.6807, 107.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 242, 255) }
```

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

```
.background{ background-color: rgb(248,  
242, 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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