

# Converting Colors

XYZ(87.4717, 89.1338,  
107.2020)

Have a look what the booklet for  
XYZ(87.4717, 89.1338, 107.2020)  
contains.

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# Color

**XYZ(87.5679, 89.3143,  
107.2318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7F0FF
RGB	247, 240, 255
RGB Percent	97%, 94%, 100%
CMY	0.0314, 0.0588, 0.0000
CMYK	0.03, 0.06, 0.00, 0.00
HSL	268°, 100%, 97%
HSV	268°, 6%, 100%
XYZ	87.5679, 89.3143, 107.2318
YIQ	243.8030, -0.6430, 6.1490

# Conversions

## Conversions Part 2

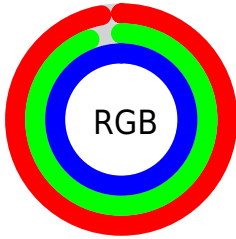
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 240, 255
Decimal	16249087
CIE Lab	95.71, 5.01, -6.38
CIE LCh	96, 8.110, 308.151
Yxy	89.3143, 0.3082, 0.3144
Android (android.graphics.Color)	4294439167 (0xFF7F0FF)
YUV	243.8030, 5.5201, 2.8038
Hunter-Lab	94.5062, 0.0092, -1.1192

# Details

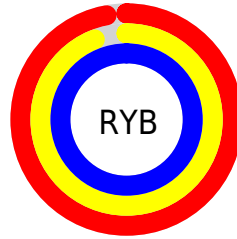
The XYZ color **87.5679, 89.3143, 107.2318** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.2017, 97.7687, 96.5596**, and the grayscale version is **85.7914, 90.2592, 98.2923**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8194, 49.4346, 60.3948** is the 20% darker color. If you saturate the color by 10%, you get **75.9599, 72.9606, 104.6870**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

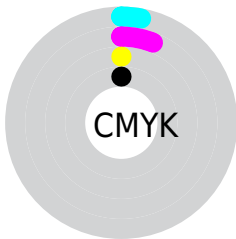
# Distribution



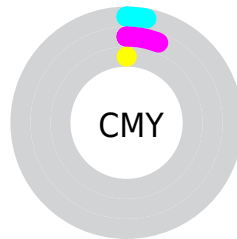
- Red (97%)
- Green (94%)
- Blue (100%)



- Red (97%)
- Yellow (94%)
- Blue (100%)



- Cyan (3%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (3%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5679, 89.3143, 107.2318 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 87.5679, 89.3143, 107.2318 by changing the saturation by 10% instead.




 87.5679, 89.3143,  
107.2318

 87.5679, 89.3143,  
107.2318


508.4438,  
525.7978, 604.5815

 66.2949, 67.4121,  
81.7033

142.8510,  
146.3856, 173.1986

 48.7804, 49.4196,  
60.5866

177.5919,  
182.3234, 214.4740

 34.6591, 34.9524,  
43.4632

217.5527,  
223.7085, 261.8354

 23.5657, 23.6262,  
29.9146

263.0988,  
270.9254, 315.7013

 15.1348, 15.0566,  
19.5223

314.5956,  
324.3583, 376.4904

 9.0009, 8.8591,  
11.8677

372.4085,

 4.7989, 4.6494,

384.3918, 444.6211

6.5322

436.9027,  
451.4101, 520.5119

■ 2.1633, 2.0431,  
3.0973

■ 0.7233, 0.6323,  
1.1445

■ 87.5679, 89.3143,  
107.2318

■ 87.5679, 89.3143,  
107.2318

■ 75.9599, 72.9606,  
104.6870

95.0500, 100.0000,  
108.9000

■ 65.7031, 58.8019,  
102.4947

■ 56.7455, 46.7443,  
100.6395

■ 49.0286, 36.6829,  
99.1042

■ 42.4891, 28.5032,  
97.8700

■ 37.0574, 22.0787,  
96.9162

■ 32.6556, 17.2669,  
96.2195

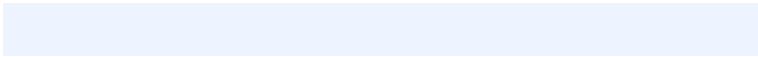
■ 29.1935, 13.9015,  
95.7523

■ 26.5614, 11.7771,  
95.4810

# Harmonies

## Analogous

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



85.5002, 89.3143, 109.9223



87.5679, 89.3143, 107.2318



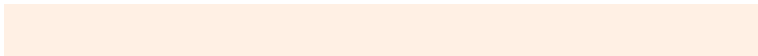
88.9344, 89.3143, 101.8919

# Triad

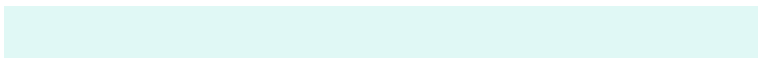
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5679, 89.3143, 107.2318



86.4969, 89.3143, 86.2859



80.7149, 89.3143, 99.0002

# Complementary

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



87.5679, 89.3143, 107.2318



90.2017, 97.7687, 96.5596

# 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.



80.9712, 89.3143, 92.7475



87.5679, 89.3143, 107.2318



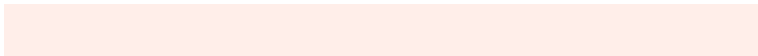
84.2839, 89.3143, 85.5876

# Square

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



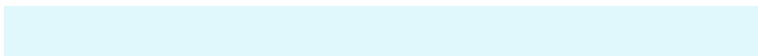
87.5679, 89.3143, 107.2318



88.3085, 89.3143, 89.8553



82.2684, 89.3143, 87.9041



81.5619, 89.3143, 105.0356

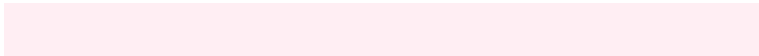


# Rectangle

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



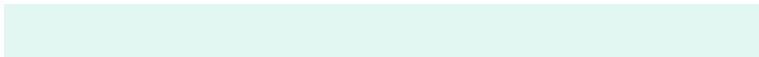
87.5679, 89.3143, 107.2318



89.2503, 89.3143, 97.6450



82.2684, 89.3143, 87.9041



80.6752, 89.3143, 96.8522

# Sweetspot

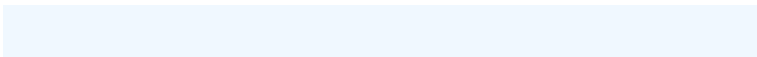
The Sweet Spot groups the original color and five complimentary colors.



87.5702, 89.3180, 107.2324



92.4508, 96.2768, 108.3183



87.6322, 93.0364, 107.9469



19.8156, 20.6462, 23.1907



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.



87.5702, 89.3180, 107.2324



86.2011, 87.3740, 106.9293



90.1765, 90.6616, 107.3544



18.2942, 18.4799, 22.8527



13.5742, 5.9082, 49.8595



1.4463, 0.6395, 4.8605



# Inverse Universe

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



89.3456, 90.3610, 101.5423



88.3054, 88.6104, 100.1792



87.6812, 96.4693, 96.4416



18.7823, 18.7667, 21.2863



23.9477, 12.0684, 13.6408

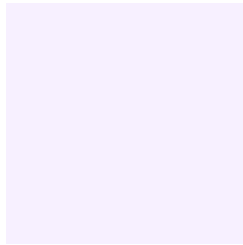


2.3869, 1.1971, 1.6190



# Previews

## White Background



This preview shows how the XYZ color 87.5679, 89.3143, 107.2318 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 87.5679, 89.3143, 107.2318 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

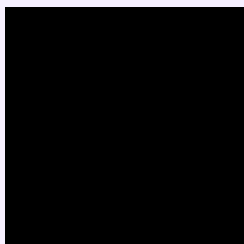
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

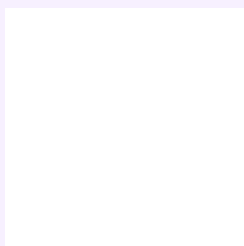
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.5679, 89.3143, 107.2318

## Background



This preview shows how black text looks on a background with the XYZ color 87.5679, 89.3143, 107.2318.



This preview shows how white text looks on a background with the XYZ color 87.5679, 89.3143,

107.2318.

# 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

87.5679, 89.3143, 107.2318

### Protanopia

86.4674, 89.1853, 107.2649

### Deuteranopia

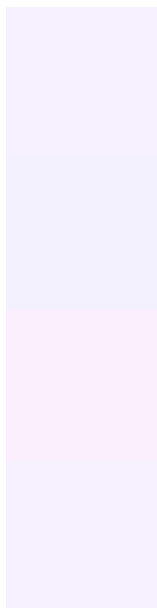
89.3852, 89.4373, 104.6475



## Tritanopia

87.2161, 89.1330, 107.2153

# Trichromacy



## Original Color

87.5679, 89.3143, 107.2318

## Protanomaly

86.8135, 89.3637, 107.2811

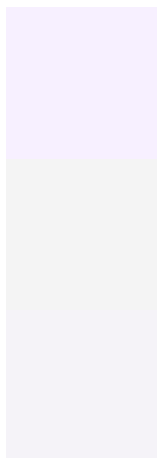
## Deuteranomaly

88.7410, 89.5203, 105.5305

## Tritanomaly

87.2161, 89.1330, 107.2153

# Monochromacy



## Original Color

87.5679, 89.3143, 107.2318

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.6501, 90.2910, 101.6679

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.5679, 89.3143, 107.2318 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(247, 240, 255) looks like.

```
.text, #text, p{  
    color:rgb(247, 240, 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(247, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 240, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 87.5679, 89.3143, 107.2318 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(247, 240, 255) }
```



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

```
.border{ border-color:rgb(247, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(247, 240,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.5679, 89.3143, 107.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 240, 255) }
```

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

```
.background{ background-color: rgb(247,  
240, 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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