

# Converting Colors

XYZ(86.4318, 89.6101,  
107.3488)

Have a look what the booklet for  
XYZ(86.4318, 89.6101, 107.3488)  
contains.

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# Color

**XYZ(86.4201, 89.6015,  
107.3477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2F2FF
RGB	242, 242, 255
RGB Percent	95%, 95%, 100%
CMY	0.0510, 0.0510, 0.0000
CMYK	0.05, 0.05, 0.00, 0.00
HSL	240°, 100%, 97%
HSV	240°, 5%, 100%
XYZ	86.4201, 89.6015, 107.3477
YIQ	243.4820, -4.1730, 4.0430

# Conversions

## Conversions Part 2

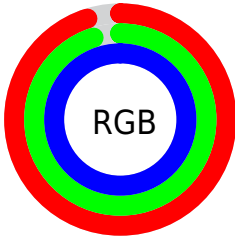
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 242, 255
Decimal	15921919
CIE Lab	95.83, 2.36, -6.24
CIE LCh	96, 6.674, 290.701
Yxy	89.6015, 0.3050, 0.3162
Android (android.graphics.Color)	4294111999 (0xFFFF2F2FF)
YUV	243.4820, 5.6784, -1.2997
Hunter-Lab	94.6581, -2.6862, -0.9776

# Details

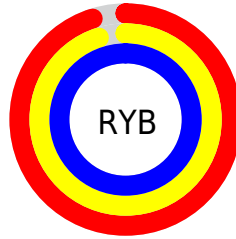
The XYZ color **86.4201, 89.6015, 107.3477** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.0262, 99.1886, 98.2483**, and the grayscale version is **85.5360, 89.9905, 97.9997**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0016, 49.6341, 60.4765** is the 20% darker color. If you saturate the color by 10%, you get **71.2049, 71.2704, 104.6114**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

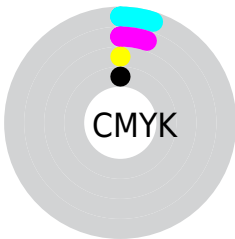
# Distribution



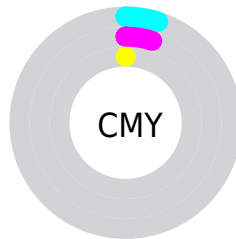
- Red (95%)
- Green (95%)
- Blue (100%)



- 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 86.4201, 89.6015, 107.3477 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 86.4201, 89.6015, 107.3477 by changing the saturation by 10% instead.



86.4201, 89.6015,  
107.3477

86.4201, 89.6015,  
107.3477

504.7286,  
526.7337, 604.9486

65.3418, 67.6502,  
81.7999

141.2594,  
146.7847, 173.3582

48.0041, 49.6132,  
60.6658

175.7512,  
182.7854, 214.6580

34.0414, 35.1061,  
43.5267

215.4448,  
224.2381, 262.0455

23.0884, 23.7447,  
29.9641

260.7057,  
271.5270, 315.9394

14.7799, 15.1443,  
19.5595

311.8991,  
325.0366, 376.7581

8.7503, 8.9207,  
11.8944

369.3905,

4.6345, 4.6895,

385.1514, 444.9202

6.5501

433.5452,  
452.2556, 520.8442

■ 2.0670, 2.0663,  
3.1082

■ 0.6712, 0.6456,  
1.1502

■ 86.4201, 89.6015,  
107.3477

■ 86.4201, 89.6015,  
107.3477

■ 71.2049, 71.2704,  
104.6114

95.0500, 100.0000,  
108.9000

■ 58.1715, 55.5669,  
102.2672

■ 47.2220, 42.3740,  
100.2979

■ 38.2486, 31.5617,  
98.6838

■ 31.1334, 22.9882,  
97.4040

■ 25.7464, 16.4967,  
96.4349

■ 21.9405, 11.9102,  
95.7502

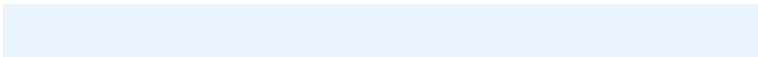
■ 19.5445, 9.0223,  
95.3191

■ 18.3472, 7.5788,  
95.1036

# Harmonies

## Analogous

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



84.5932, 89.6015, 107.9039



86.4201, 89.6015, 107.3477



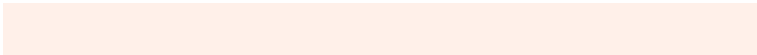
87.9304, 89.6015, 104.1190

# Triad

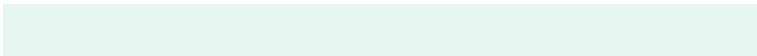
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4201, 89.6015, 107.3477



87.4237, 89.6015, 89.9292



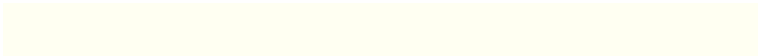
81.7201, 89.6015, 95.9329

# Complementary

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



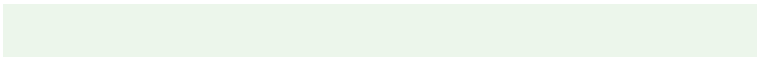
86.4201, 89.6015, 107.3477



93.0262, 99.1886, 98.2483

# 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.



82.4554, 89.6015, 91.2839



86.4201, 89.6015, 107.3477



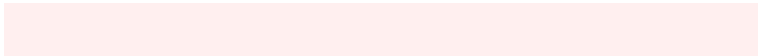
85.7364, 89.6015, 87.9008

# Square

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



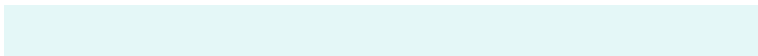
86.4201, 89.6015, 107.3477



88.5156, 89.6015, 94.0233



83.9192, 89.6015, 88.3876



81.8972, 89.6015, 101.1859



# Rectangle

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



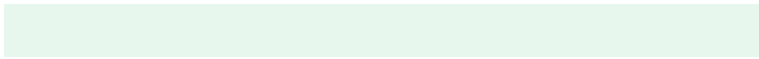
86.4201, 89.6015, 107.3477



88.5460, 89.6015, 100.9475



83.9192, 89.6015, 88.3876



81.8684, 89.6015, 94.2507

# Sweetspot

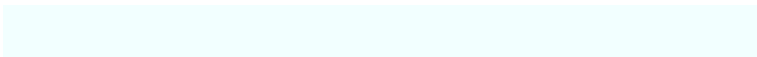
The Sweet Spot groups the original color and five complimentary colors.



86.4224, 89.6052, 107.3483



91.5935, 95.8355, 108.2783



90.3938, 97.6037, 108.5001



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.



86.4224, 89.6052, 107.3483



84.9565, 87.8390, 107.0847



88.6150, 90.7339, 107.4506



17.9596, 18.5306, 22.8801



9.4321, 3.7738, 49.6659

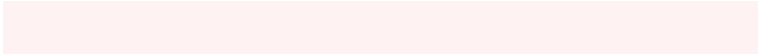


0.9185, 0.3677, 4.8358

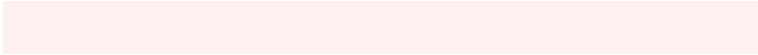


# Inverse Universe

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



89.0206, 91.1766, 96.9158



87.9961, 89.6774, 94.8795



90.7537, 98.0188, 98.1423



18.6779, 18.9650, 19.9962



21.5491, 11.1089, 1.0100

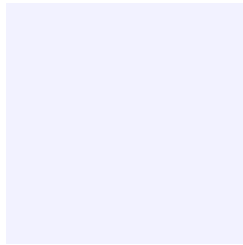


2.0982, 1.0817, 0.0987



# Previews

## White Background



This preview shows how the XYZ color 86.4201, 89.6015, 107.3477 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 86.4201, 89.6015, 107.3477 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

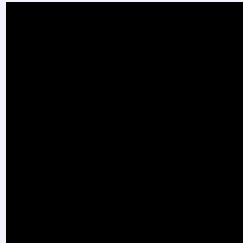
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 86.4201, 89.6015, 107.3477

## Background



This preview shows how black text looks on a background with the XYZ color 86.4201, 89.6015, 107.3477.



This preview shows how white text looks on a background with the XYZ color 86.4201, 89.6015,

107.3477.

# 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

86.4201, 89.6015, 107.3477

### Protanopia

86.8135, 89.3637, 107.2811

### Deuteranopia

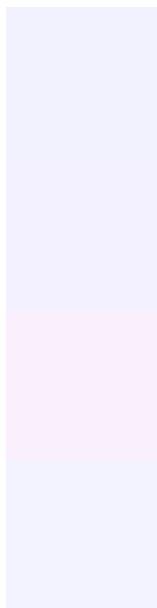
89.3852, 89.4373, 104.6475



## Tritanopia

86.7643, 89.7789, 107.3638

# Trichromacy



## Original Color

86.4201, 89.6015, 107.3477

## Protanomaly

86.4674, 89.1853, 107.2649

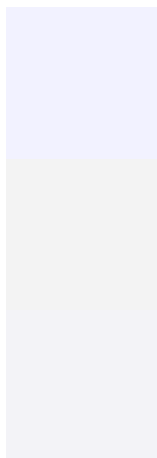
## Deuteranomaly

88.0205, 89.1488, 105.4968

## Tritanomaly

86.7643, 89.7789, 107.3638

# Monochromacy



## Original Color

86.4201, 89.6015, 107.3477

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.8012, 89.8713, 100.8204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.4201, 89.6015, 107.3477 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(242, 242, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 86.4201, 89.6015, 107.3477 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(242, 242, 255) }
```



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

```
.border{ border-color:rgb(242, 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(242, 242, 255)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 86.4201, 89.6015, 107.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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