

# Converting Colors

XYZ(86.9623, 89.7058,  
102.3622)

Have a look what the booklet for  
XYZ(86.9623, 89.7058, 102.3622)  
contains.

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# Color

**XYZ(86.9120, 89.5243,  
102.3217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F7F1F9
RGB	247, 241, 249
RGB Percent	97%, 95%, 98%
CMY	0.0314, 0.0549, 0.0235
CMYK	0.01, 0.03, 0.00, 0.02
HSL	285°, 40%, 96%
HSV	285°, 3%, 98%
XYZ	86.9120, 89.5243, 102.3217
YIQ	243.7060, 1.0080, 3.7600

# Conversions

## Conversions Part 2

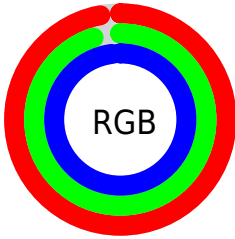
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	247, 241, 249
Decimal	16249337
CIE Lab	95.80, 3.41, -3.14
CIE LCh	96, 4.641, 317.383
Yxy	89.5243, 0.3118, 0.3212
Android (android.graphics.Color)	4294439417 (0xFFFF7F1F9)
YUV	243.7060, 2.6099, 2.8888
Hunter-Lab	94.6173, -1.6166, 2.1143

# Details

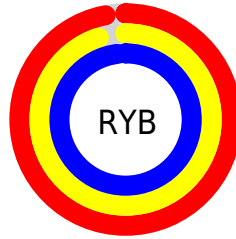
The XYZ color **86.9120, 89.5243, 102.3217** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7183, 93.1593, 96.6346**, and the grayscale version is **85.7356, 90.2006, 98.2284**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4605, 49.6245, 57.4764** is the 20% darker color. If you saturate the color by 10%, you get **77.8807, 74.6666, 99.9312**, and if you desaturate by 10%, it is **93.4507, 99.2854, 103.8625**.

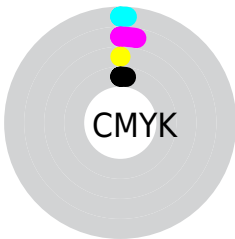
# Distribution



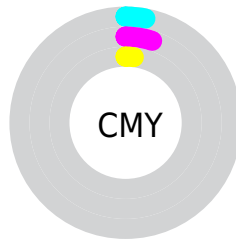
- Red (97%)
- Green (95%)
- Blue (98%)



- Red (97%)
- Yellow (95%)
- Blue (98%)



- Cyan (1%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (3%)
- Magenta (5%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.9120, 89.5243, 102.3217 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 86.9120, 89.5243, 102.3217 by changing the saturation by 10% instead.



86.9120, 89.5243,  
102.3217

86.9120, 89.5243,  
102.3217

506.3225,  
526.4822, 588.9210

65.7502, 67.5862,  
77.6132

141.9418,  
146.6774, 166.4237

48.3366, 49.5611,  
57.2418

176.5404,  
182.6613, 206.6543

34.3059, 35.0648,  
40.7887

216.3487,  
224.0957, 252.8961

23.2927, 23.7128,  
27.8356

261.7321,  
271.3653, 305.5676

14.9316, 15.1207,  
17.9638

313.0557,  
324.8543, 365.0873

8.8574, 8.9042,  
10.7548

370.6851,

4.7047, 4.6787,

384.9472, 431.8737

5.7901

434.9856,  
452.0284, 506.3454

■ 2.1080, 2.0600,  
2.6512

■ 0.6936, 0.6420,  
0.9187

■ 86.9120, 89.5243,  
102.3217

■ 86.9120, 89.5243,  
102.3217

■ 77.8807, 74.6666,  
99.9312

■ 93.4507, 99.2854,  
103.8625

■ 69.8862, 61.7760,  
97.8644

■ 94.0991, 99.6197,  
103.8928

■ 62.8872, 50.7694,  
96.1088

■ 56.8361, 41.5531,  
94.6488

■ 51.6816, 34.0254,  
93.4675

■ 47.3671, 28.0740,  
92.5462

■ 43.8289, 23.5729,  
91.8639

■ 40.9936, 20.3765,  
91.3963

■ 38.7723, 18.3079,  
91.1141

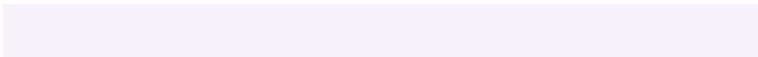
# Harmonies

## Analogous

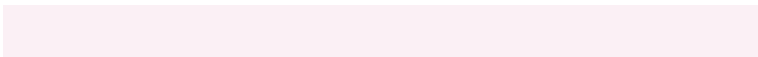
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8267, 89.5243, 104.3509



86.9120, 89.5243, 102.3217



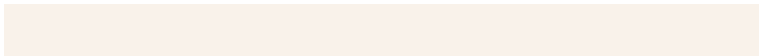
87.5116, 89.5243, 99.0226

# Triad

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



86.9120, 89.5243, 102.3217



85.6282, 89.5243, 90.7668



82.7657, 89.5243, 99.5952

# Complementary

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



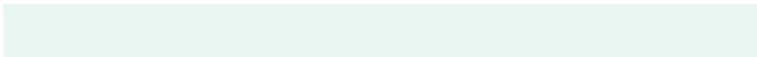
86.9120, 89.5243, 102.3217



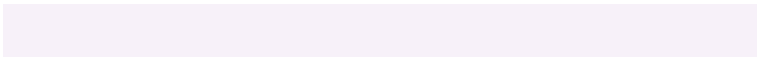
86.7183, 93.1593, 96.6346

# 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.



82.7138, 89.5243, 95.9470



86.9120, 89.5243, 102.3217



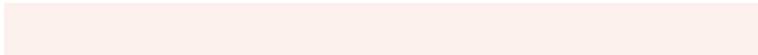
84.3579, 89.5243, 90.9113

# Square

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



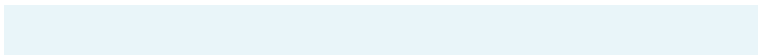
86.9120, 89.5243, 102.3217



86.7655, 89.5243, 92.3872



83.2940, 89.5243, 92.7872

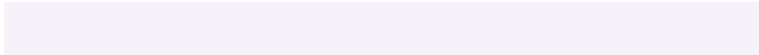


83.4366, 89.5243, 102.7499

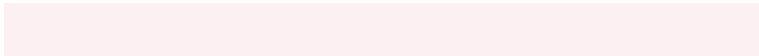


# Rectangle

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



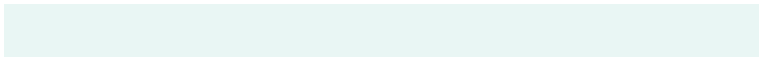
86.9120, 89.5243, 102.3217



87.5513, 89.5243, 96.5749



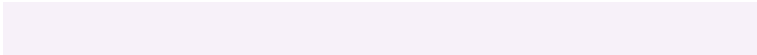
83.2940, 89.5243, 92.7872



82.6755, 89.5243, 98.3842

# Sweetspot

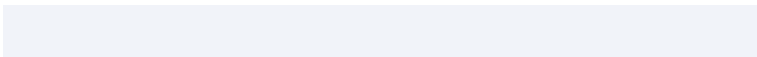
The Sweet Spot groups the original color and five complimentary colors.



86.9146, 89.5281, 102.3237



94.0076, 98.2630, 108.6197



85.4686, 89.7252, 102.4379



20.1325, 21.0506, 23.2520



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.



86.9146, 89.5281, 102.3237



90.9496, 93.1832, 107.8003



87.3340, 89.7778, 100.8316



18.4839, 18.8419, 22.0479



20.2235, 9.3683, 48.7159

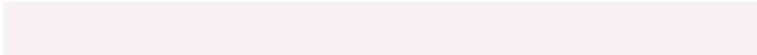


1.9696, 0.9175, 4.5165



# Inverse Universe

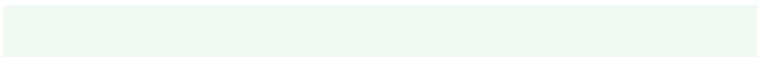
The Inverse Universe completely reimagines the original color for something new.



86.7030, 89.5254, 97.5088



90.6747, 93.1810, 101.4866



86.3120, 92.9175, 98.0780



18.4179, 18.8417, 20.5198



21.4289, 10.9873, 3.7012

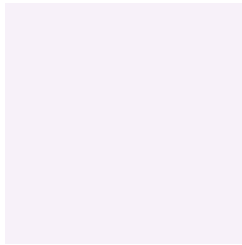


2.0252, 1.0338, 0.5563



# Previews

## White Background



This preview shows how the XYZ color 86.9120, 89.5243, 102.3217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

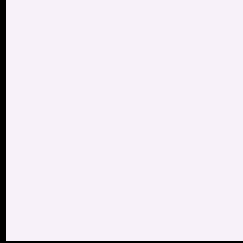
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.9120, 89.5243, 102.3217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

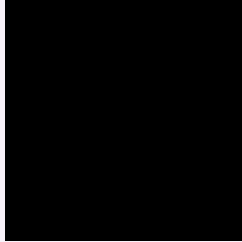
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

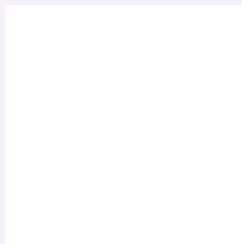
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.9120, 89.5243, 102.3217

## Background



This preview shows how black text looks on a background with the XYZ color 86.9120, 89.5243, 102.3217.



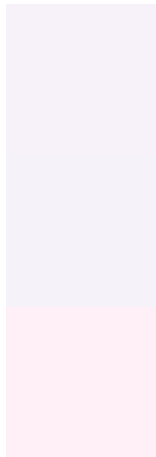
This preview shows how white text looks on a background with the XYZ color 86.9120, 89.5243,

102.3217.

# 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

86.9120, 89.5243, 102.3217

### Protanopia

86.5072, 89.7563, 102.3878

### Deuteranopia

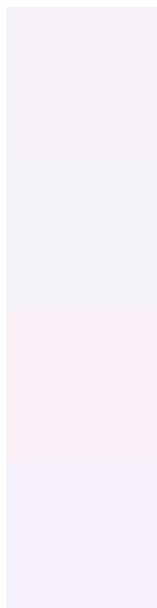
88.8950, 89.7084, 100.6259



## Tritanopia

87.5679, 89.3143, 107.2318

# Trichromacy



## Original Color

86.9120, 89.5243, 102.3217

## Protanomaly

86.8570, 89.9366, 102.4042

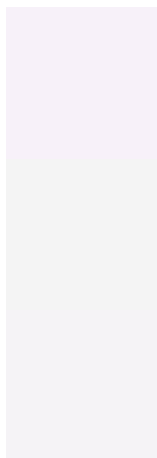
## Deuteranomaly

88.2482, 89.7929, 101.4875

## Tritanomaly

87.2475, 89.1862, 105.5447

# Monochromacy



## Original Color

86.9120, 89.5243, 102.3217

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

86.3413, 90.1675, 100.0422

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.9120, 89.5243, 102.3217 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, 241, 249) looks like.

```
.text, #text, p{  
    color:rgb(247, 241, 249)  
}
```

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, 241, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 241, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 86.9120, 89.5243, 102.3217 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, 241, 249) }
```



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

```
.border{ border-color:rgb(247, 241, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 241, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 241, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 241, 249);  
box-shadow:4px 4px 4px 4px rgb(247, 241,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.9120, 89.5243, 102.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 241, 249) }
```

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

```
.background{ background-color: rgb(247,  
241, 249) }
```

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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