

Converting Colors

XYZ(83.8352, 86.7245,
102.0684)

Have a look what the booklet for
XYZ(83.8352, 86.7245, 102.0684)
contains.

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Color

**XYZ(83.6086, 86.5139,
101.9147)**

Conversions

Conversions Part 1

Format	Color
Hex	F0EEF9
RGB	240, 238, 249
RGB Percent	94%, 93%, 98%
CMY	0.0588, 0.0666, 0.0235
CMYK	0.04, 0.04, 0.00, 0.02
HSL	251°, 48%, 95%
HSV	251°, 4%, 98%
XYZ	83.6086, 86.5139, 101.9147
YIQ	239.8520, -2.3390, 3.8450

Conversions

Conversions Part 2

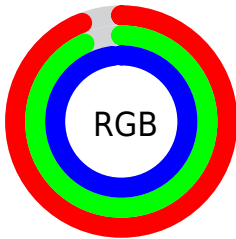
Format	Color
R _Y B	240, 238, 249
Decimal	15789817
CIE Lab	94.53, 2.65, -5.07
CIE LCh	95, 5.718, 297.607
Yxy	86.5139, 0.3073, 0.3180
Android (android.graphics.Color)	4293979897 (0xFFFF0EEF9)
YUV	239.8520, 4.5100, 0.1298
Hunter-Lab	93.0128, -2.3201, 0.1446

Details

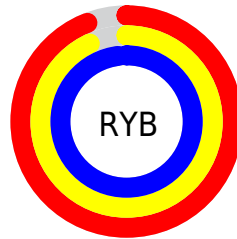
The XYZ color **83.6086, 86.5139, 101.9147** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.6693, 93.7008, 94.3587**, and the grayscale version is **82.6780, 86.9837, 94.7253**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1208, 47.4965, 57.1890** is the 20% darker color. If you saturate the color by 10%, you get **70.3208, 69.6380, 99.3590**, and if you desaturate by 10%, it is **94.0991, 99.6197, 103.8928**.

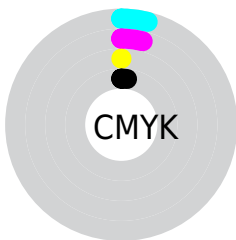
Distribution



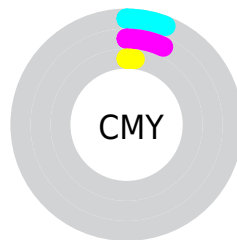
- Red (94%)
- Green (93%)
- Blue (98%)



- Red (94%)
- Yellow (93%)
- Blue (98%)



- Cyan (4%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (6%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6086, 86.5139, 101.9147 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 83.6086, 86.5139, 101.9147 by changing the saturation by 10% instead.

83.6086, 86.5139,
101.9147

83.6086, 86.5139,
101.9147

495.5659,
516.6242, 587.6131

63.0110, 65.0930,
77.2748

137.3516,
142.4864, 165.8607

46.1088, 47.5365,
56.9655

171.2277,
177.8068, 206.0039

32.5366, 33.4600,
40.5684

210.2607,
218.5292, 252.1519

21.9292, 22.4791,
27.6648

254.8159,
265.0379, 304.7232

13.9212, 14.2093,
17.8363

305.2586,
317.7174, 364.1365

8.1472, 8.2664,
10.6643

361.9543,

4.2419, 4.2659,

376.9520, 430.8102

5.7303

425.2683,
443.1261, 505.1629

■ 1.8399, 1.8234,
2.6156

■ 0.5415, 0.5017,
0.9005

■ 83.6086, 86.5139,
101.9147

■ 83.6086, 86.5139,
101.9147

■ 70.3208, 69.6380,
99.3590

■ 94.0991, 99.6197,
103.8928

■ 58.7437, 55.0691,
97.1571

■ 48.8091, 42.7098,
95.2951

■ 40.4414, 32.4512,
93.7560

■ 33.5589, 24.1749,
92.5213

■ 28.0723, 17.7509,
91.5705

■ 23.8823, 13.0335,
90.8808

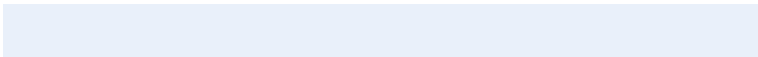
■ 20.8758, 9.8541,
90.4256

■ 18.9185, 8.0088,
90.1725

Harmonies

Analogous

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



82.1053, 86.5139, 102.9277



83.6086, 86.5139, 101.9147



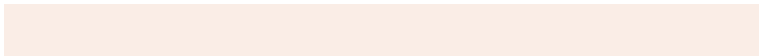
84.7544, 86.5139, 98.8151

Triad

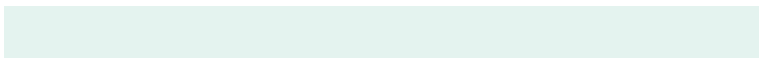
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6086, 86.5139, 101.9147



83.8253, 86.5139, 87.2186



79.3059, 86.5139, 93.8454

Complementary

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



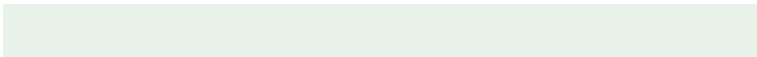
83.6086, 86.5139, 101.9147



87.6693, 93.7008, 94.3587

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.



79.7540, 86.5139, 89.7289



83.6086, 86.5139, 101.9147



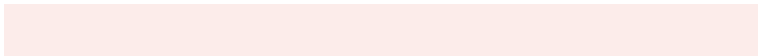
82.3525, 86.5139, 85.9781

Square

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



83.6086, 86.5139, 101.9147



84.8806, 86.5139, 90.3238



80.8644, 86.5139, 86.8828



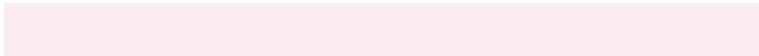
79.6329, 86.5139, 98.1834

Rectangle

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



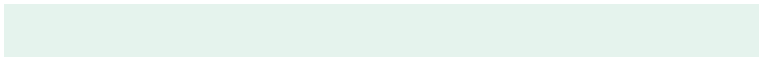
83.6086, 86.5139, 101.9147



85.1548, 86.5139, 96.0305



80.8644, 86.5139, 86.8828



79.3708, 86.5139, 92.3908

Sweetspot

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



83.6111, 86.5176, 101.9166



93.4782, 97.9901, 108.5949



85.6734, 91.6427, 102.7971



20.0248, 20.9951, 23.2470



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.



83.6111, 86.5176, 101.9166



87.3810, 90.2074, 107.4140



85.4489, 87.4650, 102.0026



17.6949, 18.2166, 21.9688



9.8209, 4.0056, 48.2291



0.9872, 0.4110, 4.4705

Inverse Universe

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



86.4330, 88.0081, 100.4318



90.7461, 91.9850, 105.6380



85.8147, 92.7448, 94.2719



18.4765, 18.6295, 21.5548



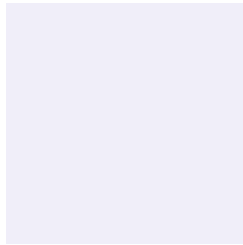
26.7817, 13.1284, 31.8887



2.5145, 1.2295, 3.1326

Previews

White Background



This preview shows how the XYZ color 83.6086, 86.5139, 101.9147 looks on a white background.

Color Contrast Check

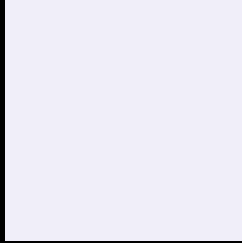
Large Text (above 18pt) WCAG AA × Fail

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 83.6086, 86.5139, 101.9147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

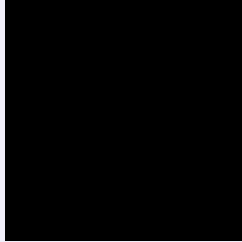
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

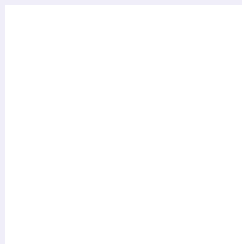
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6086, 86.5139, 101.9147

Background



This preview shows how black text looks on a background with the XYZ color 83.6086, 86.5139, 101.9147.



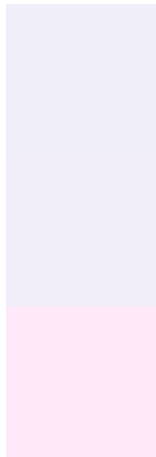
This preview shows how white text looks on a background with the XYZ color 83.6086, 86.5139,

101.9147.

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

83.6086, 86.5139, 101.9147

Protanopia

83.9490, 86.6894, 101.9307

Deuteranopia

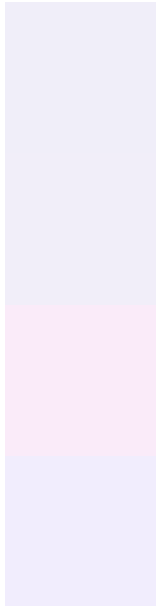
87.4778, 86.3774, 101.6845



Tritanopia

84.6098, 86.4891, 106.8424

Trichromacy



Original Color

83.6086, 86.5139, 101.9147

Protanomaly

83.9490, 86.6894, 101.9307

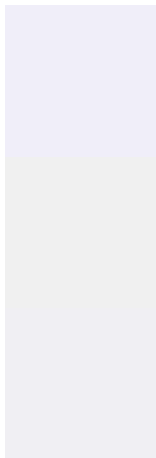
Deuteranomaly

86.2316, 86.5802, 101.7893

Tritanomaly

84.2894, 86.3610, 105.1553

Monochromacy



Original Color

83.6086, 86.5139, 101.9147

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.9793, 86.7293, 97.1610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6086, 86.5139, 101.9147 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(240, 238, 249) looks like.

```
.text, #text, p{  
    color:rgb(240, 238, 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(240, 238, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 238, 249) }
```

Border

The CSS property to change the border of an element to XYZ 83.6086, 86.5139, 101.9147 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(240, 238, 249) }
```


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

```
.border{ border-color:rgb(240, 238, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 238, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 238, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 238, 249);  
box-shadow:4px 4px 4px 4px rgb(240, 238,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6086, 86.5139, 101.9147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 238, 249) }
```

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

```
.background{ background-color: rgb(240,  
238, 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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