

Converting Colors

XYZ(83.9414, 89.8605, 99.3274)

Have a look what the booklet for
XYZ(83.9414, 89.8605, 99.3274)
contains.

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Color

**XYZ(84.0589, 89.9019,
99.3086)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF5F5
RGB	237, 245, 245
RGB Percent	93%, 96%, 96%
CMY	0.0706, 0.0392, 0.0392
CMYK	0.03, 0.00, 0.00, 0.04
HSL	180°, 29%, 95%
HSV	180°, 3%, 96%
XYZ	84.0589, 89.9019, 99.3086
YIQ	242.6080, -4.7680, -1.6960

Conversions

Conversions Part 2

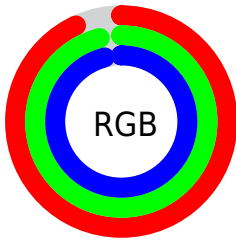
Format	Color
R _Y B	237, 241, 245
Decimal	15594997
CIE Lab	95.96, -2.63, -0.93
CIE LCh	96, 2.791, 199.453
Yxy	89.9019, 0.3076, 0.3290
Android (android.graphics.Color)	4293785077 (0xFFEDF5F5)
YUV	242.6080, 1.1793, -4.9182
Hunter-Lab	94.8166, -7.6813, 4.2727

Details

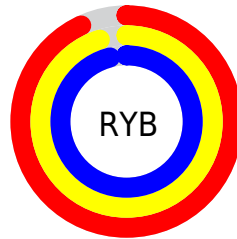
The XYZ color **84.0589, 89.9019, 99.3086** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.2298, 86.0977, 92.3570**, and the grayscale version is **84.8758, 89.2959, 97.2433**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4390, 49.8931, 55.3268** is the 20% darker color. If you saturate the color by 10%, you get **76.4301, 85.9718, 98.9438**, and if you desaturate by 10%, it is **90.3776, 93.1616, 99.6158**.

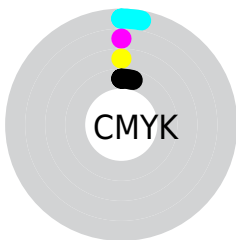
Distribution



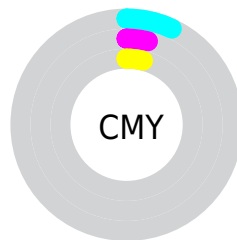
- Red (93%)
- Green (96%)
- Blue (96%)



- Red (93%)
- Yellow (95%)
- Blue (96%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.0589, 89.9019, 99.3086 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 84.0589, 89.9019, 99.3086 by changing the saturation by 10% instead.

84.0589, 89.9019,
99.3086

84.0589, 89.9019,
99.3086

497.0395,
527.7117, 579.2014

63.3839, 67.8993,
75.1096

137.9784,
147.2021, 162.2503

46.4117, 49.8158,
55.2004

171.9536,
183.2685, 201.8301

32.7768, 35.2671,
39.1625

211.0930,
224.7916, 247.3738

22.1139, 23.8687,
26.5774

255.7619,
272.1558, 299.3001

14.0577, 15.2362,
17.0264

306.3257,
325.7456, 358.0275

8.2428, 8.9853,
10.0912

363.1496,

4.3038, 4.7316,

385.9452, 423.9745

5.3531

426.5991,
453.1391, 497.5596

■ 1.8754, 2.0907,
2.3935

■ 0.5625, 0.6594,
0.7829

■ 84.0589, 89.9019,
99.3086

■ 84.0589, 89.9019,
99.3086

■ 76.4301, 85.9718,
98.9438

■ 90.3776, 93.1616,
99.6158

■ 69.8713, 82.5909,
98.6272

■ 90.3795, 93.1624,
99.6255

■ 64.3371, 79.7381,
98.3586

■ 90.3813, 93.1631,
99.6352

■ 59.7758, 77.3869,
98.1355

■ 90.3832, 93.1638,
99.6449

56.1311, 75.5082,
97.9553

90.3850, 93.1646,
99.6547

53.3410, 74.0700,
97.8151

90.3869, 93.1653,
99.6644

51.3360, 73.0366,
97.7117

90.3887, 93.1661,
99.6741

50.0354, 72.3664,
97.6412

90.3906, 93.1668,
99.6838

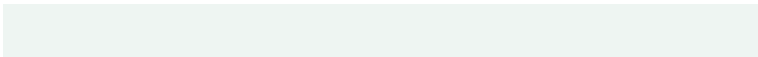
49.3415, 72.0088,
97.5991

90.3924, 93.1675,
99.6935

Harmonies

Analogous

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



84.0000, 89.9019, 97.1129



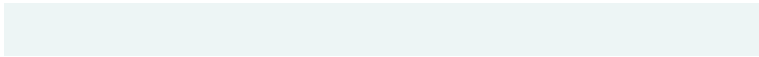
84.0589, 89.9019, 99.3086



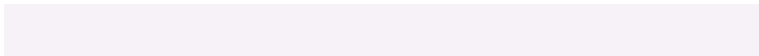
84.4890, 89.9019, 101.1495

Triad

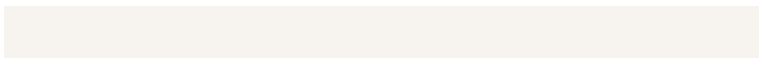
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0589, 89.9019, 99.3086



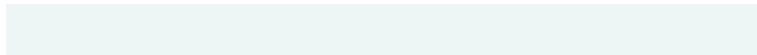
86.5804, 89.9019, 100.6737



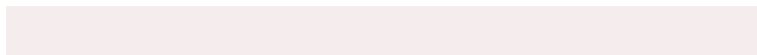
85.7207, 89.9019, 93.7732

Complementary

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



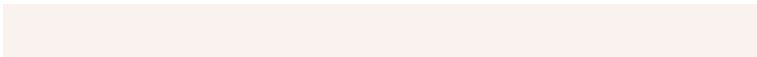
84.0589, 89.9019, 99.3086



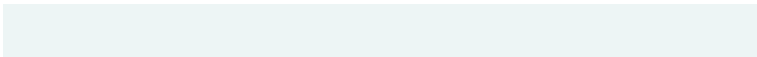
83.2298, 86.0977, 92.3570

Split Complementary

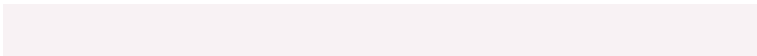
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.4163, 89.9019, 94.6972



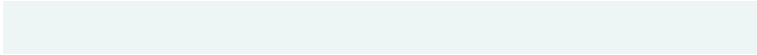
84.0589, 89.9019, 99.3086



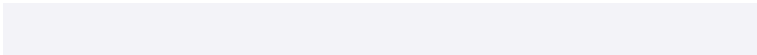
86.9147, 89.9019, 98.6670

Square

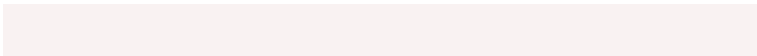
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0589, 89.9019, 99.3086



85.9437, 89.9019, 101.9458



86.8545, 89.9019, 96.4808



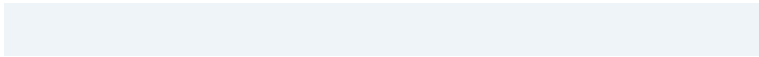
84.9563, 89.9019, 93.9391

Rectangle

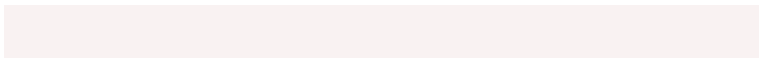
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0589, 89.9019, 99.3086



84.9298, 89.9019, 101.9173



86.8545, 89.9019, 96.4808



85.9704, 89.9019, 93.9661

Sweetspot

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



84.0615, 89.9057, 99.3106



94.1179, 99.5195, 108.8553



82.9107, 89.4506, 93.0180



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

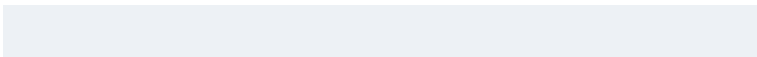
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0615, 89.9057, 99.3106



91.3956, 98.1162, 108.7248



82.9039, 87.5896, 98.9277



17.7860, 19.1647, 21.3033



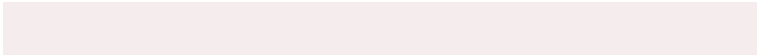
26.4596, 38.7287, 52.5676



2.3257, 3.4039, 4.6208

Inverse Universe

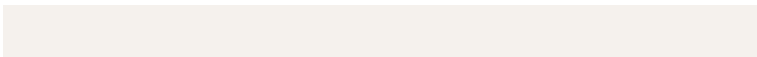
The Inverse Universe completely reimagines the original color for something new.



83.2298, 86.0977, 92.3570



90.2836, 93.0245, 99.4273



84.3614, 88.3619, 92.7314



17.5294, 17.9898, 19.1579



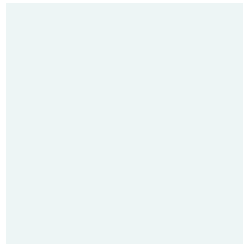
20.2867, 10.4581, 0.9520



1.7831, 0.9192, 0.0843

Previews

White Background



This preview shows how the XYZ color 84.0589, 89.9019, 99.3086 looks on a white background.

Color Contrast Check

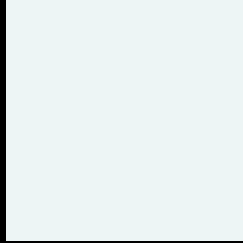
Large Text (above 18pt) WCAG AA × Fail

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 84.0589, 89.9019, 99.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

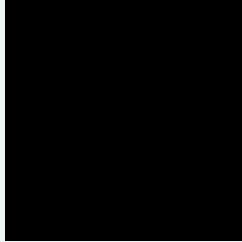
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

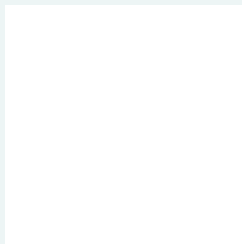
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.0589, 89.9019, 99.3086

Background



This preview shows how black text looks on a background with the XYZ color 84.0589, 89.9019, 99.3086.



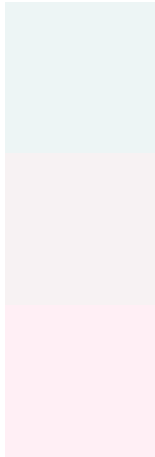
This preview shows how white text looks on a background with the XYZ color 84.0589, 89.9019,

99.386.

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

84.0589, 89.9019, 99.3086

Protanopia

86.2876, 89.7495, 97.5696

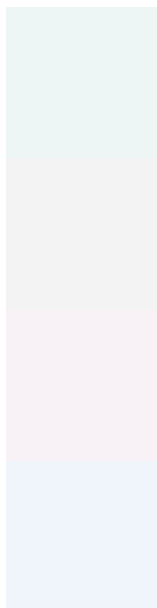
Deuteranopia

88.5879, 89.5856, 99.0089

Tritanopia

86.3762, 90.0220, 107.4312

Trichromacy



Original Color

84.0589, 89.9019, 99.3086

Protanomaly

85.3419, 89.6875, 98.4014

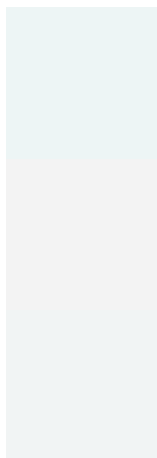
Deuteranomaly

86.6481, 89.4596, 99.0868

Tritanomaly

85.6985, 90.1917, 104.1587

Monochromacy



Original Color

84.0589, 89.9019, 99.3086

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.9554, 89.9338, 98.4693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0589, 89.9019, 99.3086 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(237, 245, 245) looks like.

```
.text, #text, p{  
    color:rgb(237, 245, 245)  
}
```

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(237, 245, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 245, 245) }
```

Border

The CSS property to change the border of an element to XYZ 84.0589, 89.9019, 99.3086 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(237, 245, 245) }
```


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

```
.border{ border-color:rgb(237, 245, 245) }
```

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

Here you see how a box with a 4 pixel rgb(237, 245, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 245, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 245, 245);  
box-shadow:4px 4px 4px 4px rgb(237, 245,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0589, 89.9019, 99.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 245, 245) }
```

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

```
.background{ background-color: rgb(237,  
245, 245) }
```

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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