

Converting Colors

XYZ(83.4683, 89.6801, 96.8599)

Have a look what the booklet for
XYZ(83.4683, 89.6801, 96.8599)
contains.

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Color

**XYZ(83.6045, 89.7201,
96.9157)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF5F2
RGB	237, 245, 242
RGB Percent	93%, 96%, 95%
CMY	0.0706, 0.0392, 0.0510
CMYK	0.03, 0.00, 0.01, 0.04
HSL	157°, 29%, 95%
HSV	157°, 3%, 96%
XYZ	83.6045, 89.7201, 96.9157
YIQ	242.2660, -3.8050, -2.6290

Conversions

Conversions Part 2

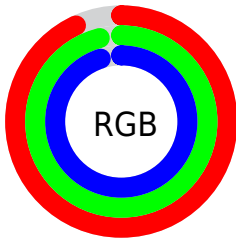
Format	Color
R _Y B	237, 242, 245
Decimal	15594994
CIE Lab	95.88, -3.17, 0.51
CIE LCh	96, 3.213, 170.850
Yxy	89.7201, 0.3094, 0.3320
Android (android.graphics.Color)	4293785074 (0xFFEDF5F2)
YUV	242.2660, -0.1311, -4.6183
Hunter-Lab	94.7207, -8.2095, 5.6405

Details

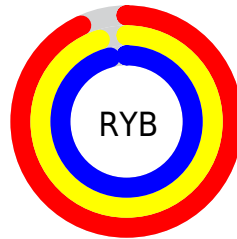
The XYZ color **83.6045, 89.7201, 96.9157** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.6719, 86.2745, 94.6852**, and the grayscale version is **84.6141, 89.0206, 96.9434**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1166, 49.7641, 53.6292** is the 20% darker color. If you saturate the color by 10%, you get **74.6306, 85.2520, 89.4679**, and if you desaturate by 10%, it is **91.3377, 93.5456, 104.6717**.

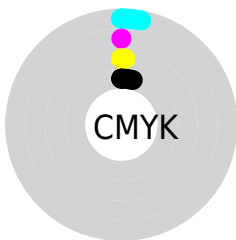
Distribution



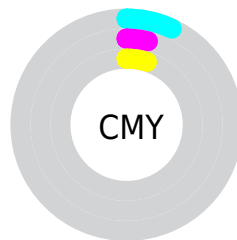
- Red (93%)
- Green (96%)
- Blue (95%)



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



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)



- Cyan (7%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6045, 89.7201, 96.9157 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 83.6045, 89.7201, 96.9157 by changing the saturation by 10% instead.

83.6045, 89.7201,
96.9157

83.6045, 89.7201,
96.9157

495.5525,
527.1199, 571.4201

63.0076, 67.7485,
73.1248

137.3459,
146.9495, 158.9268

46.1060, 49.6932,
53.5855

171.2211,
182.9762, 197.9841

32.5344, 35.1697,
37.8795

210.2531,
224.4566, 242.9673

21.9276, 23.7936,
25.5881

254.8073,
271.7753, 294.2949

13.9200, 15.1806,
16.2927

305.2489,
325.3166, 352.3854

8.1464, 8.9462,
9.5749

361.9434,

4.2413, 4.7061,

385.4648, 417.6574

5.0162

425.2562,
452.6045, 490.5295

■ 1.8396, 2.0759,
2.1978

■ 0.5413, 0.6510,
0.6731

■ 83.6045, 89.7201,
96.9157

■ 83.6045, 89.7201,
96.9157

■ 74.6306, 85.2520,
89.4679

■ 91.3377, 93.5456,
104.6717

■ 66.7952, 81.3604,
82.4287

■ 91.9441, 93.7882,
107.8647

■ 60.0518, 78.0240,
75.7925

■ 54.3477, 75.2156,
69.5513

■ 49.6254, 72.9059,
63.6968

■ 45.8219, 71.0624,
58.2202

■ 42.8665, 69.6488,
53.1123

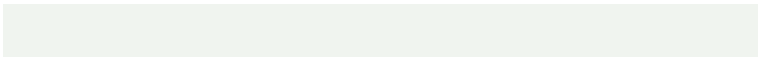
■ 40.6775, 68.6231,
48.3631

■ 39.1557, 67.9345,
43.9617

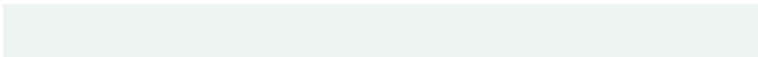
Harmonies

Analogous

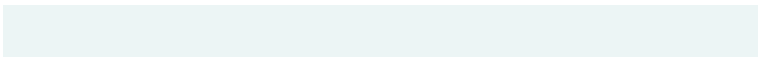
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9613, 89.7201, 94.6402



83.6045, 89.7201, 96.9157



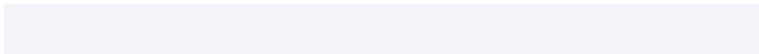
83.6933, 89.7201, 99.4377

Triad

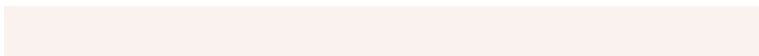
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6045, 89.7201, 96.9157



85.8844, 89.7201, 102.3232



86.3569, 89.7201, 93.9530

Complementary

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



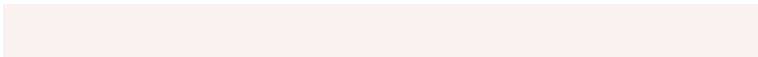
83.6045, 89.7201, 96.9157



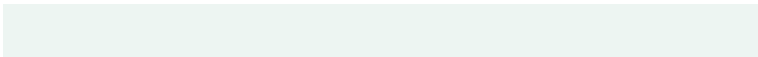
83.6719, 86.2745, 94.6852

Split Complementary

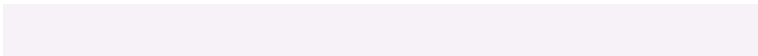
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8791, 89.7201, 95.9628



83.6045, 89.7201, 96.9157



86.6049, 89.7201, 100.8045

Square

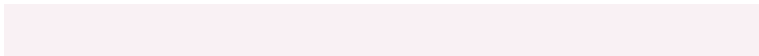
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6045, 89.7201, 96.9157



85.0055, 89.7201, 102.5891



86.9702, 89.7201, 98.4683



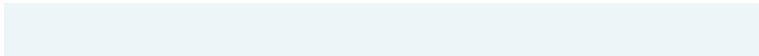
85.5476, 89.7201, 92.9493

Rectangle

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



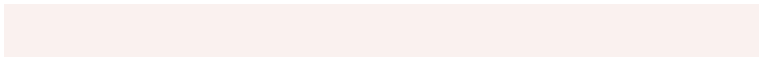
83.6045, 89.7201, 96.9157



83.9934, 89.7201, 100.9178



86.9702, 89.7201, 98.4683



86.5721, 89.7201, 94.5317

Sweetspot

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



83.6070, 89.7239, 96.9177



93.9643, 99.4581, 108.0469



83.8994, 89.9602, 93.0643



20.1237, 21.2938, 23.1355



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

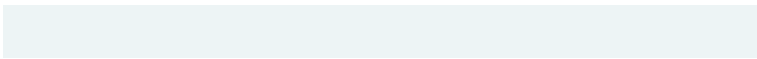
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6070, 89.7239, 96.9177



90.7862, 97.8724, 105.5153



83.7802, 89.3423, 99.2198



17.6449, 19.1083, 20.5604



20.7597, 36.4487, 22.5519



1.8743, 3.2234, 2.2440

Inverse Universe

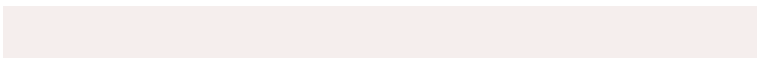
The Inverse Universe completely reimagines the original color for something new.



83.6719, 86.2745, 94.6852



90.8728, 93.2602, 102.5302



83.5003, 86.6396, 92.4444



17.6649, 18.0440, 19.8716



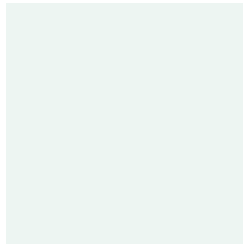
21.3873, 10.8984, 6.7480



1.9279, 0.9771, 0.8466

Previews

White Background



This preview shows how the XYZ color 83.6045, 89.7201, 96.9157 looks on a white background.

Color Contrast Check

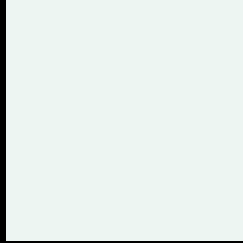
Large Text (above 18pt) WCAG AA × Fail

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 83.6045, 89.7201, 96.9157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

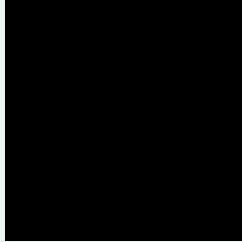
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

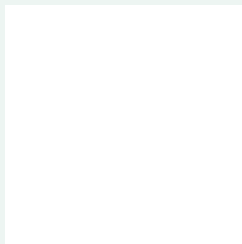
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.6045, 89.7201, 96.9157

Background



This preview shows how black text looks on a background with the XYZ color 83.6045, 89.7201, 96.9157.



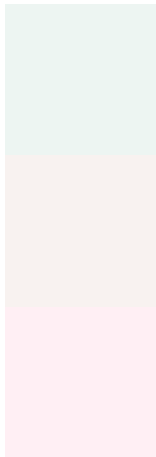
This preview shows how white text looks on a background with the XYZ color 83.6045, 89.7201,

96.9 57.

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

83.6045, 89.7201, 96.9157

Protanopia

86.1917, 89.7520, 95.2192

Deuteranopia

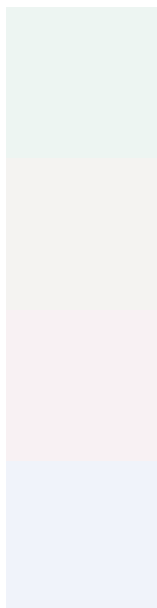
88.4356, 89.5247, 98.2069



Tritanopia

86.0778, 89.4250, 107.3317

Trichromacy



Original Color

83.6045, 89.7201, 96.9157

Protanomaly

85.2360, 89.6852, 96.0376

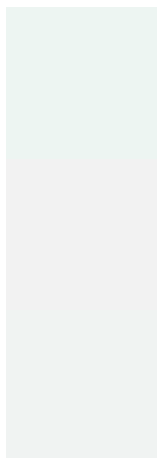
Deuteranomaly

86.3444, 89.3381, 97.4872

Tritanomaly

85.2411, 89.5286, 103.2305

Monochromacy



Original Color

83.6045, 89.7201, 96.9157

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.0128, 89.0373, 96.7624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6045, 89.7201, 96.9157 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, 242) looks like.

```
.text, #text, p{  
    color:rgb(237, 245, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 245, 242) }
```

Border

The CSS property to change the border of an element to XYZ 83.6045, 89.7201, 96.9157 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, 242) }
```


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

```
.border{ border-color:rgb(237, 245, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 245, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 245, 242);  
box-shadow:4px 4px 4px 4px rgb(237, 245,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6045, 89.7201, 96.9157 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, 242) }
```

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

```
.background{ background-color: rgb(237,  
245, 242) }
```

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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