

Converting Colors

XYZ(83.1386, 89.4785, 97.0494)

Have a look what the booklet for
XYZ(83.1386, 89.4785, 97.0494)
contains.

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Color

**XYZ(83.2715, 89.5485,
96.9001)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF5F2
RGB	236, 245, 242
RGB Percent	93%, 96%, 95%
CMY	0.0745, 0.0392, 0.0510
CMYK	0.04, 0.00, 0.01, 0.04
HSL	160°, 31%, 94%
HSV	160°, 4%, 96%
XYZ	83.2715, 89.5485, 96.9001
YIQ	241.9670, -4.4010, -2.8410

Conversions

Conversions Part 2

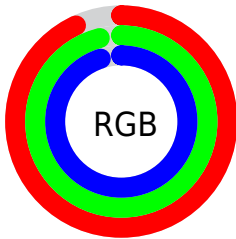
Format	Color
R _Y B	236, 241, 245
Decimal	15529458
CIE Lab	95.81, -3.50, 0.40
CIE LCh	96, 3.524, 173.512
Yxy	89.5485, 0.3087, 0.3320
Android (android.graphics.Color)	4293719538 (0xFFECEF5F2)
YUV	241.9670, 0.0163, -5.2331
Hunter-Lab	94.6301, -8.5282, 5.5288

Details

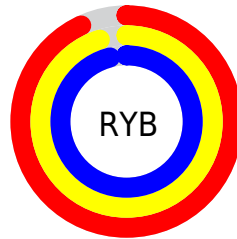
The XYZ color **83.2715, 89.5485, 96.9001** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.2349, 85.6377, 93.8085**, and the grayscale version is **84.3766, 88.7707, 96.6713**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8829, 49.6437, 53.6183** is the 20% darker color. If you saturate the color by 10%, you get **74.4884, 85.1619, 90.2241**, and if you desaturate by 10%, it is **91.1770, 93.4814, 103.8252**.

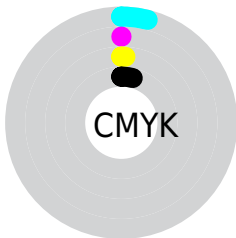
Distribution



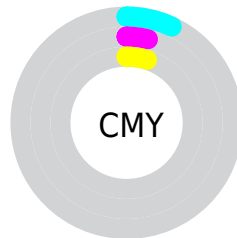
- Red (93%)
- Green (96%)
- Blue (95%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2715, 89.5485, 96.9001 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 83.2715, 89.5485, 96.9001 by changing the saturation by 10% instead.

83.2715, 89.5485,
96.9001

83.2715, 89.5485,
96.9001

494.4612,
526.5610, 571.3692

62.7318, 67.6062,
73.1118

136.8822,
146.7111, 158.9052

45.8821, 49.5775,
53.5750

170.6839,
182.7002, 197.9590

32.3570, 35.0778,
37.8712

209.6371,
224.1404, 242.9385

21.7912, 23.7228,
25.5816

254.1070,
271.4160, 294.2622

13.8193, 15.1281,
16.2880

304.4590,
324.9115, 352.3485

8.0760, 8.9093,
9.5716

361.0584,

4.1958, 4.6821,

385.0112, 417.6161

5.0140

424.2707,
452.0996, 490.4835

■ 1.8135, 2.0620,
2.1966

■ 0.5258, 0.6431,
0.6724

■ 83.2715, 89.5485,
96.9001

■ 83.2715, 89.5485,
96.9001

■ 74.4884, 85.1619,
90.2241

■ 91.1770, 93.4814,
103.8252

■ 66.8277, 81.3451,
83.8815

■ 91.9441, 93.7883,
107.8647

■ 60.2431, 78.0769,
77.8683

■ 54.6818, 75.3301,
72.1782

■ 50.0866, 73.0754,
66.8045

■ 46.3947, 71.2804,
61.7403

■ 43.5351, 69.9086,
56.9782

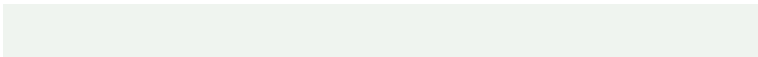
■ 41.4260, 68.9181,
52.5102

■ 39.9678, 68.2574,
48.3271

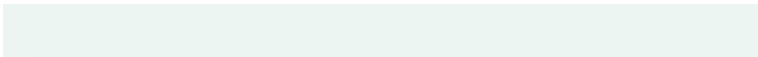
Harmonies

Analogous

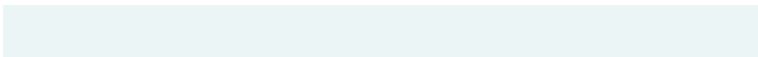
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.6209, 89.5485, 94.3578



83.2715, 89.5485, 96.9001



83.4126, 89.5485, 99.6518

Triad

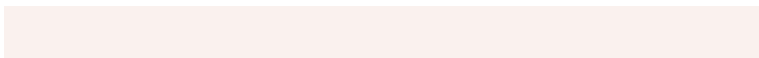
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.2715, 89.5485, 96.9001



85.8602, 89.5485, 102.4890



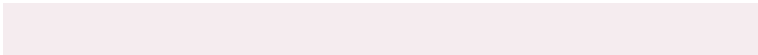
86.2283, 89.5485, 93.2670

Complementary

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



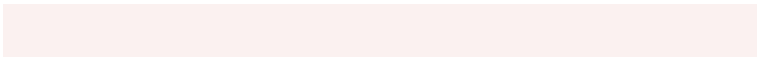
83.2715, 89.5485, 96.9001



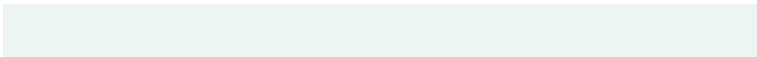
83.2349, 85.6377, 93.8085

Split Complementary

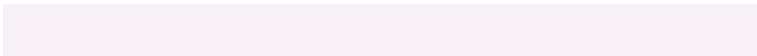
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.8367, 89.5485, 95.3855



83.2715, 89.5485, 96.9001



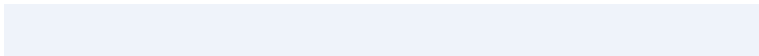
86.6231, 89.5485, 100.7175

Square

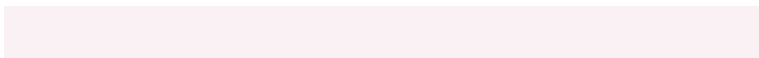
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



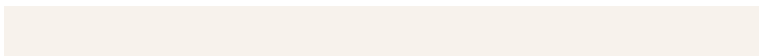
83.2715, 89.5485, 96.9001



84.9024, 89.5485, 102.9131



86.9818, 89.5485, 98.1086



85.3243, 89.5485, 92.2861

Rectangle

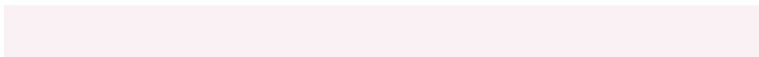
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



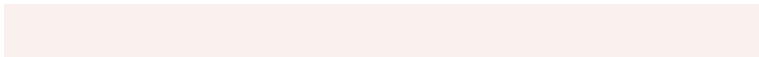
83.2715, 89.5485, 96.9001



83.7663, 89.5485, 101.2311



86.9818, 89.5485, 98.1086



86.4744, 89.5485, 93.8677

Sweetspot

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



83.2740, 89.5523, 96.9021



93.9814, 99.4649, 108.1366



83.4430, 89.7419, 92.2822



20.1271, 21.2952, 23.1538



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

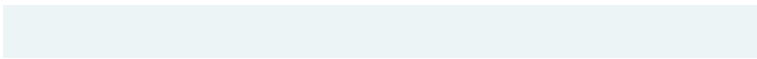
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2740, 89.5523, 96.9021



90.8533, 97.8993, 105.8689



83.3219, 88.9201, 99.1625



17.6604, 19.1145, 20.6422



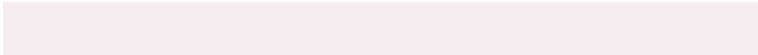
21.2315, 36.6374, 25.0365



1.9136, 3.2391, 2.4510

Inverse Universe

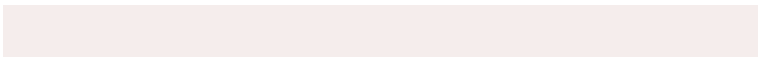
The Inverse Universe completely reimagines the original color for something new.



83.2349, 85.6377, 93.8085



90.8067, 93.2338, 102.1820



83.1850, 86.2423, 91.6203



17.6497, 18.0379, 19.7914



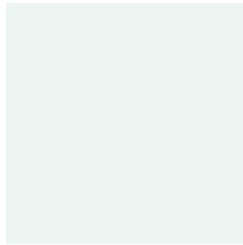
21.1585, 10.8069, 5.5433



1.9054, 0.9681, 0.7282

Previews

White Background



This preview shows how the XYZ color 83.2715, 89.5485, 96.9001 looks on a white background.

Color Contrast Check

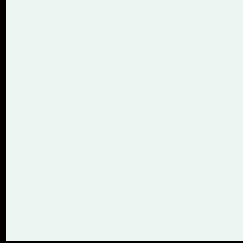
Large Text (above 18pt) WCAG AA × Fail

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 83.2715, 89.5485, 96.9001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

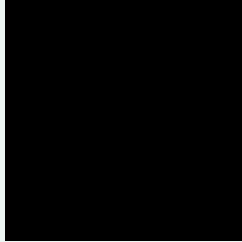
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

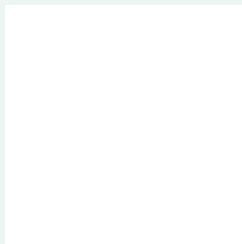
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.2715, 89.5485, 96.9001

Background



This preview shows how black text looks on a background with the XYZ color 83.2715, 89.5485, 96.9001.



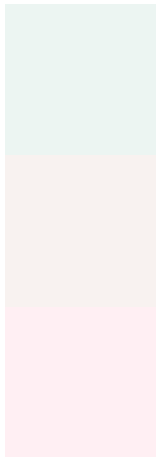
This preview shows how white text looks on a background with the XYZ color 83.2715, 89.5485,

96.9 01.

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

83.2715, 89.5485, 96.9001

Protanopia

86.1917, 89.7520, 95.2192

Deuteranopia

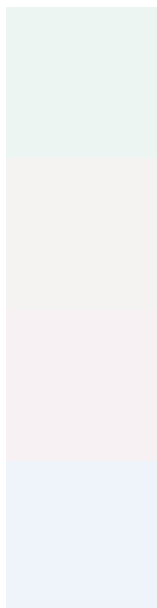
88.2842, 89.4641, 97.4092



Tritanopia

85.7373, 89.2495, 107.3158

Trichromacy



Original Color

83.2715, 89.5485, 96.9001

Protanomaly

85.2360, 89.6852, 96.0376

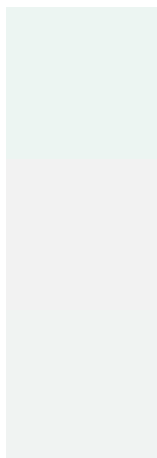
Deuteranomaly

86.3444, 89.3381, 97.4872

Tritanomaly

84.9025, 89.3540, 103.2147

Monochromacy



Original Color

83.2715, 89.5485, 96.9001

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 83.2715, 89.5485, 96.9001 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(236, 245, 242) looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 245, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 245, 242) }
```

Border

The CSS property to change the border of an element to XYZ 83.2715, 89.5485, 96.9001 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(236, 245, 242) }
```


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

```
.border{ border-color:rgb(236, 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(236, 245, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 245, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 245, 242);  
box-shadow:4px 4px 4px 4px rgb(236, 245,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2715, 89.5485, 96.9001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 245, 242) }
```

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

```
.background{ background-color: rgb(236,  
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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