

Converting Colors

XYZ(83.1940, 87.9946, 98.8261)

Have a look what the booklet for
XYZ(83.1940, 87.9946, 98.8261)
contains.

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Color

**XYZ(83.1586, 88.1014,
99.0085)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF2F5
RGB	237, 242, 245
RGB Percent	93%, 95%, 96%
CMY	0.0706, 0.0510, 0.0392
CMYK	0.03, 0.01, 0.00, 0.04
HSL	202°, 29%, 95%
HSV	202°, 3%, 96%
XYZ	83.1586, 88.1014, 99.0085
YIQ	240.8470, -3.9430, -0.1270

Conversions

Conversions Part 2

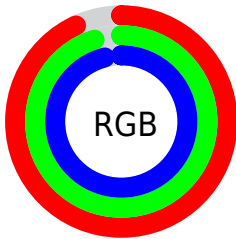
Format	Color
R _Y B	237, 240, 245
Decimal	15594229
CIE Lab	95.20, -1.11, -2.03
CIE LCh	95, 2.313, 241.396
Yxy	88.1014, 0.3077, 0.3260
Android (android.graphics.Color)	4293784309 (0xFFEDF2F5)
YUV	240.8470, 2.0474, -3.3738
Hunter-Lab	93.8623, -6.1146, 3.1630

Details

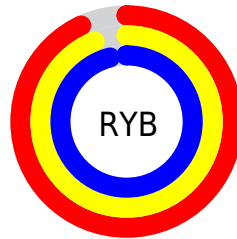
The XYZ color **83.1586, 88.1014, 99.0085** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.1024, 87.8460, 92.6453**, and the grayscale version is **83.4776, 87.8249, 95.6414**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8003, 48.6157, 55.1139** is the 20% darker color. If you saturate the color by 10%, you get **72.8689, 78.8464, 97.7658**, and if you desaturate by 10%, it is **92.2753, 96.9600, 100.2392**.

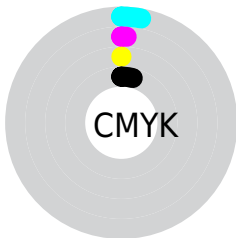
Distribution



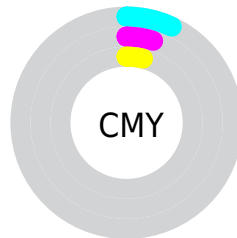
- Red (93%)
- Green (95%)
- Blue (96%)



- Red (93%)
- Yellow (94%)
- Blue (96%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.1586, 88.1014, 99.0085 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 83.1586, 88.1014, 99.0085 by changing the saturation by 10% instead.

83.1586, 88.1014,
99.0085

83.1586, 88.1014,
99.0085

494.0909,
521.8352, 578.2286

62.6384, 66.4070,
74.8605

136.7249,
144.6983, 161.8339

45.8063, 48.6029,
54.9976

170.5017,
180.3697, 201.3485

32.2969, 34.3046,
39.0012

209.4281,
221.4688, 246.8222

21.7450, 23.1277,
26.4528

253.8694,
268.3802, 298.6738

13.7852, 14.6878,
16.9339

304.1910,
321.4881, 357.3216

8.0521, 8.6006,
10.0259

360.7582,

4.1804, 4.4816,

381.1770, 423.1844

5.3103

423.9364,
447.8312, 496.6805

■ 1.8047, 1.9464,
2.3686

■ 0.5205, 0.5761,
0.7692

■ 83.1586, 88.1014,
99.0085

■ 83.1586, 88.1014,
99.0085

■ 72.8689, 78.8464,
97.7658

■ 92.2753, 96.9600,
100.2392

■ 63.7843, 70.4107,
96.6163

■ 93.4817, 99.3727,
100.6413

■ 55.8572, 62.7691,
95.5592

■ 49.0339, 55.8909,
94.5912

■ 43.2559, 49.7427,
93.7090

■ 38.4592, 44.2884,
92.9090

■ 34.5718, 39.4874,
92.1872

■ 31.5109, 35.2937,
91.5391

■ 29.1764, 31.6521,
90.9592

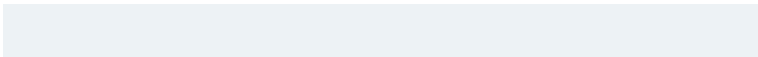
Harmonies

Analogous

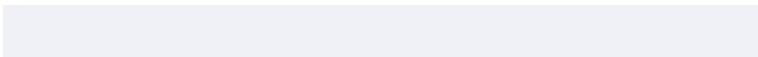
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7070, 88.1014, 97.7478



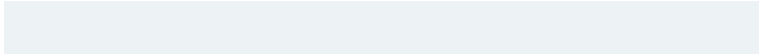
83.1586, 88.1014, 99.0085



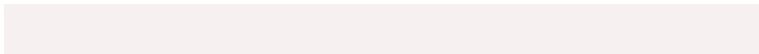
83.7673, 88.1014, 99.4409

Triad

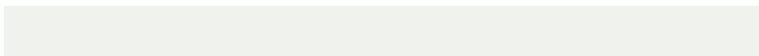
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1586, 88.1014, 99.0085



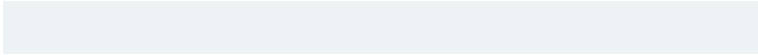
84.9557, 88.1014, 95.8429



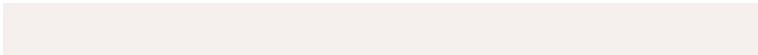
83.1077, 88.1014, 92.9938

Complementary

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



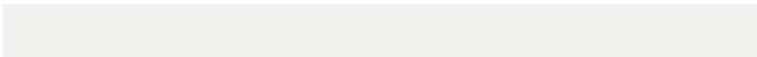
83.1586, 88.1014, 99.0085



84.1024, 87.8460, 92.6453

Split Complementary

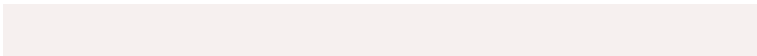
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.7082, 88.1014, 92.4977



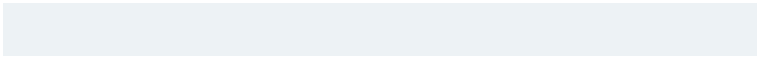
83.1586, 88.1014, 99.0085



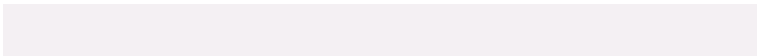
84.7770, 88.1014, 94.1298

Square

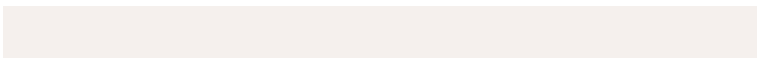
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1586, 88.1014, 99.0085



84.8068, 88.1014, 97.5995



84.3196, 88.1014, 92.9110



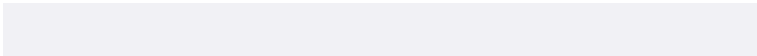
82.6777, 88.1014, 94.2746

Rectangle

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



83.1586, 88.1014, 99.0085



84.1808, 88.1014, 99.1970



84.3196, 88.1014, 92.9110



83.2962, 88.1014, 92.7305

Sweetspot

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



83.1611, 88.1052, 99.0104



93.8142, 98.9118, 108.7551



83.2970, 89.5980, 95.2914



20.0931, 21.1827, 23.2796



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.



83.1611, 88.1052, 99.0104



90.1900, 95.7036, 108.3269



82.0017, 85.7863, 98.6240



17.5069, 18.6063, 21.2112



15.1751, 16.1439, 48.8543



1.4322, 1.6159, 4.3266

Inverse Universe

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



83.9693, 86.3932, 96.2588



91.2730, 93.4203, 104.6371



85.2742, 90.1895, 93.0359



17.7573, 18.0810, 20.3578



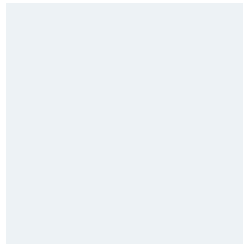
23.4642, 11.7291, 17.6846



2.1120, 1.0508, 1.8161

Previews

White Background



This preview shows how the XYZ color 83.1586, 88.1014, 99.0085 looks on a white background.

Color Contrast Check

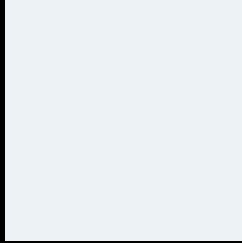
Large Text (above 18pt) WCAG AA × Fail

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 83.1586, 88.1014, 99.0085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

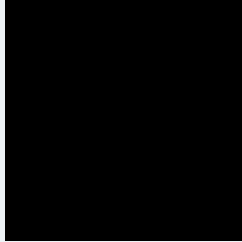
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

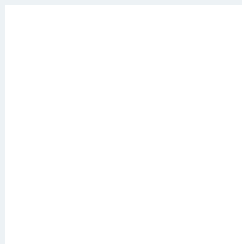
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.1586, 88.1014, 99.0085

Background



This preview shows how black text looks on a background with the XYZ color 83.1586, 88.1014, 99.0085.



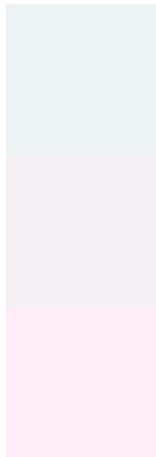
This preview shows how white text looks on a background with the XYZ color 83.1586, 88.1014,

99.085.

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

83.1586, 88.1014, 99.0085

Protanopia

84.7974, 88.0849, 98.1207

Deuteranopia

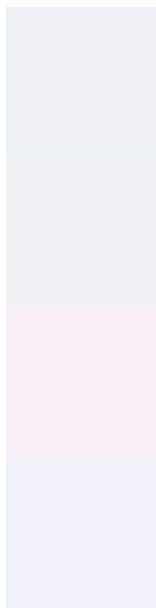
87.7169, 87.8435, 98.7185



Tritanopia

85.1453, 88.0654, 107.1184

Trichromacy



Original Color

83.1586, 88.1014, 99.0085

Protanomaly

84.0601, 88.1430, 98.1708

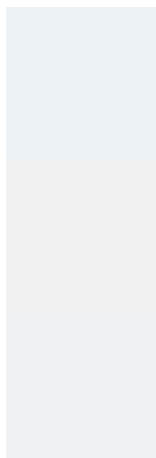
Deuteranomaly

85.7674, 87.6981, 98.7932

Tritanomaly

84.4645, 88.2264, 103.8444

Monochromacy



Original Color

83.1586, 88.1014, 99.0085

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.4175, 87.8467, 96.5639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.1586, 88.1014, 99.0085 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, 242, 245) looks like.

```
.text, #text, p{  
    color:rgb(237, 242, 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, 242, 245) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 83.1586, 88.1014, 99.0085 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, 242, 245) }
```


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

```
.border{ border-color:rgb(237, 242, 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, 242, 245) colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 83.1586, 88.1014, 99.0085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 242, 245) }
```

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

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