

Converting Colors

XYZ(83.8335, 89.8060, 99.5015)

Have a look what the booklet for
XYZ(83.8335, 89.8060, 99.5015)
contains.

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Color

**XYZ(83.7259, 89.7303,
99.2930)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF5F5
RGB	236, 245, 245
RGB Percent	93%, 96%, 96%
CMY	0.0745, 0.0392, 0.0392
CMYK	0.04, 0.00, 0.00, 0.04
HSL	180°, 31%, 94%
HSV	180°, 4%, 96%
XYZ	83.7259, 89.7303, 99.2930
YIQ	242.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

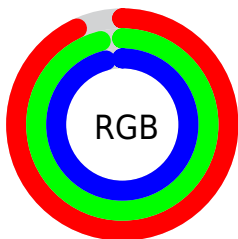
Format	Color
R _Y B	236, 241, 245
Decimal	15529461
CIE _{Lab}	95.88, -2.96, -1.04
CIE _{LCh}	96, 3.137, 199.403
Y _{xy}	89.7303, 0.3070, 0.3290
Android (android.graphics.Color)	4293719541 (0xFFECEF5F5)
Y _{UV}	242.3090, 1.3267, -5.5330
Hunter-Lab	94.7261, -7.9992, 4.1598

Details

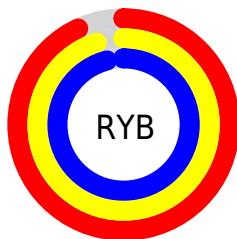
The XYZ color **83.7259, 89.7303, 99.2930** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.7953, 85.4618, 91.4933**, and the grayscale version is **84.6379, 89.0456, 96.9707**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2053, 49.7726, 55.3159** is the 20% darker color. If you saturate the color by 10%, you get **76.1419, 85.8233, 98.9310**, and if you desaturate by 10%, it is **90.3775, 93.1617, 99.6151**.

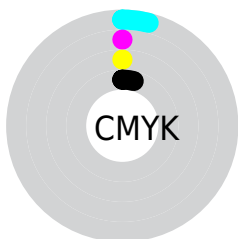
Distribution



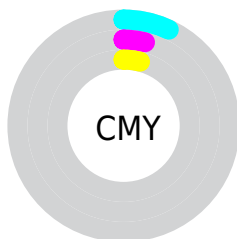
- Red (93%)
- Green (96%)
- Blue (96%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.7259, 89.7303, 99.2930 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 83.7259, 89.7303, 99.2930 by changing the saturation by 10% instead.

83.7259, 89.7303,
99.2930

83.7259, 89.7303,
99.2930

495.9500,
527.1531, 579.1509

63.1081, 67.7570,
75.0966

137.5149,
146.9637, 162.2287

46.1876, 49.7001,
55.1899

171.4169,
182.9926, 201.8050

32.5992, 35.1751,
39.1541

210.4776,
224.4754, 247.3451

21.9773, 23.7978,
26.5709

255.0624,
271.7967, 299.2676

13.9567, 15.1837,
17.0216

305.5367,
325.3407, 357.9908

8.1721, 8.9484,
10.0878

362.2658,

4.2580, 4.7075,

385.4918, 423.9334

5.3508

425.6151,
452.6345, 497.5139

■ 1.8491, 2.0767,
2.3922

■ 0.5470, 0.6515,
0.7822

■ 83.7259, 89.7303,
99.2930

■ 83.7259, 89.7303,
99.2930

■ 76.1419, 85.8233,
98.9310

■ 90.3775, 93.1617,
99.6151

■ 69.6261, 82.4645,
98.6172

■ 90.3792, 93.1623,
99.6241


■ 64.1328, 79.6328,
98.3512


■ 90.3810, 93.1630,
99.6331


■ 59.6101, 77.3015,
98.1306

■ 90.3827, 93.1637,
99.6421


 56.0017, 75.4414,
97.9528


 90.3844, 93.1644,
99.6511


 53.2452, 74.0206,
97.8149


 90.3861, 93.1651,
99.6601


 51.2707, 73.0029,
97.7136

 90.3878, 93.1658,
99.6691

 49.9971, 72.3466,
97.6450

 90.3895, 93.1664,
99.6781

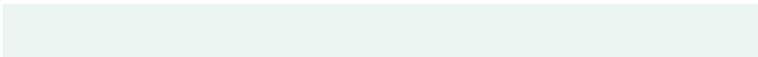
 49.3256, 72.0006,
97.6047

 90.3912, 93.1671,
99.6871

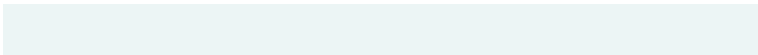
Harmonies

Analogous

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



83.6606, 89.7303, 96.8272



83.7259, 89.7303, 99.2930



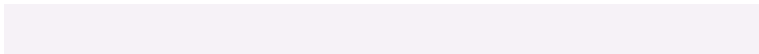
84.2076, 89.7303, 101.3649

Triad

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



83.7259, 89.7303, 99.2930



86.5558, 89.7303, 100.8354



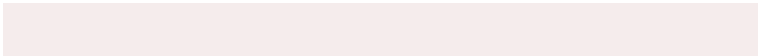
85.5924, 89.7303, 93.0907

Complementary

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



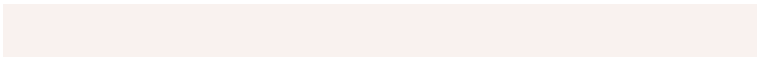
83.7259, 89.7303, 99.2930



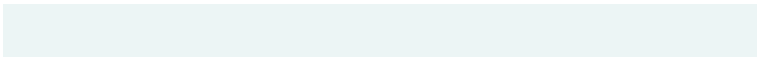
82.7953, 85.4618, 91.4933

Split Complementary

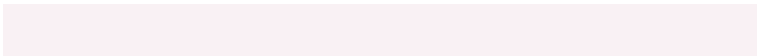
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3735, 89.7303, 94.1266



83.7259, 89.7303, 99.2930



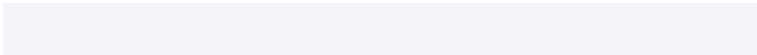
86.9322, 89.7303, 98.5801

Square

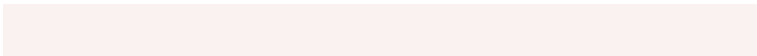
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.7259, 89.7303, 99.2930



85.8400, 89.7303, 102.2658



86.8653, 89.7303, 96.1262



84.7343, 89.7303, 93.2742

Rectangle

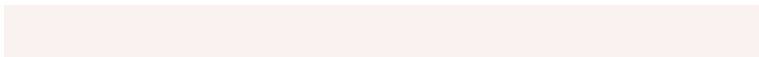
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



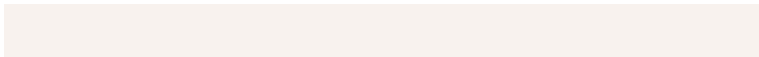
83.7259, 89.7303, 99.2930



84.7019, 89.7303, 102.2308



86.8653, 89.7303, 96.1262



85.8727, 89.7303, 93.3071

Sweetspot

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



83.7285, 89.7341, 99.2950



94.1179, 99.5195, 108.8554



82.4372, 89.2234, 92.2351



20.1549, 21.3063, 23.3000



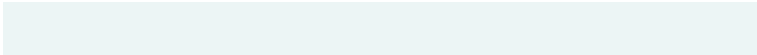
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



83.7285, 89.7341, 99.2950



91.3957, 98.1162, 108.7251



82.4278, 87.1319, 98.8645



17.7860, 19.1647, 21.3034



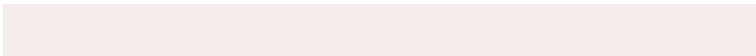
26.4604, 38.7290, 52.5714



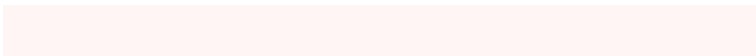
2.3257, 3.4039, 4.6211

Inverse Universe

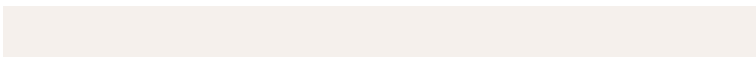
The Inverse Universe completely reimagines the original color for something new.



82.7953, 85.4618, 91.4933



90.2835, 93.0245, 99.4270



84.0631, 87.9983, 91.9129



17.5294, 17.9898, 19.1579



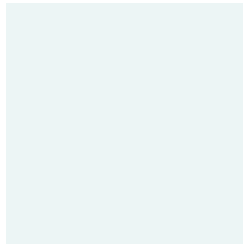
20.2866, 10.4581, 0.9518



1.7831, 0.9192, 0.0842

Previews

White Background



This preview shows how the XYZ color 83.7259, 89.7303, 99.2930 looks on a white background.

Color Contrast Check

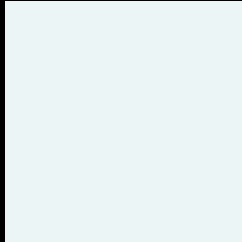
Large Text (above 18pt) WCAG AA × Fail

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 83.7259, 89.7303, 99.2930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

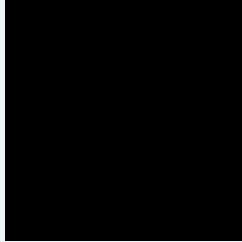
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

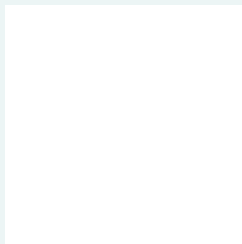
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.7259, 89.7303, 99.2930

Background



This preview shows how black text looks on a background with the XYZ color 83.7259, 89.7303, 99.2930.



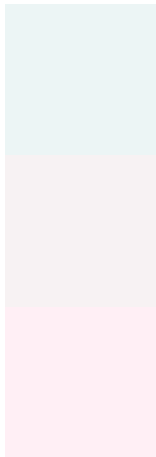
This preview shows how white text looks on a background with the XYZ color 83.7259, 89.7303,

99.2930.

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

83.7259, 89.7303, 99.2930

Protanopia

86.2876, 89.7495, 97.5696

Deuteranopia

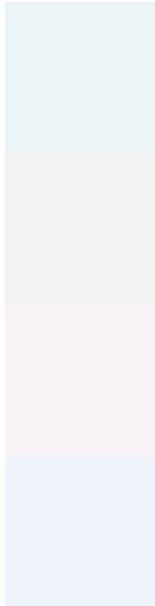
88.5879, 89.5856, 99.0089



Tritanopia

86.0358, 89.8464, 107.4153

Trichromacy



Original Color

83.7259, 89.7303, 99.2930

Protanomaly

85.3419, 89.6875, 98.4014

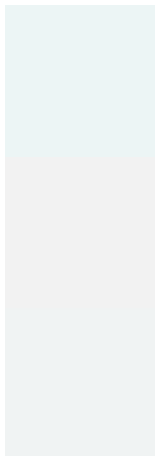
Deuteranomaly

86.6481, 89.4596, 99.0868

Tritanomaly

85.3599, 90.0171, 104.1429

Monochromacy



Original Color

83.7259, 89.7303, 99.2930

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.1634, 89.0975, 97.5557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.7259, 89.7303, 99.2930 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, 245) looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 83.7259, 89.7303, 99.2930 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, 245) }
```


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

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

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

Background

The CSS property to change the background color of an element to XYZ 83.7259, 89.7303, 99.2930 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, 245) }
```

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

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