

Converting Colors

XYZ(83.8607, 91.1859, 99.1730)

Have a look what the booklet for
XYZ(83.8607, 91.1859, 99.1730)
contains.

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Color

**XYZ(83.9805, 91.2198,
99.5671)**

Conversions

Conversions Part 1

Format	Color
Hex	EAF8F5
RGB	234, 248, 245
RGB Percent	92%, 97%, 96%
CMY	0.0823, 0.0274, 0.0392
CMYK	0.06, 0.00, 0.01, 0.03
HSL	167°, 50%, 95%
HSV	167°, 6%, 97%
XYZ	83.9805, 91.2198, 99.5671
YIQ	243.4720, -7.3810, -3.9010

Conversions

Conversions Part 2

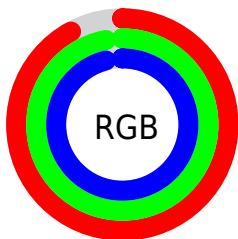
Format	Color
R _Y B	234, 242, 248
Decimal	15399157
CIE Lab	96.50, -5.13, -0.16
CIE LCh	97, 5.130, 181.775
Yxy	91.2198, 0.3056, 0.3320
Android (android.graphics.Color)	4293589237 (0xFFEAF8F5)
YUV	243.4720, 0.7533, -8.3069
Hunter-Lab	95.5091, -10.1869, 5.0472

Details

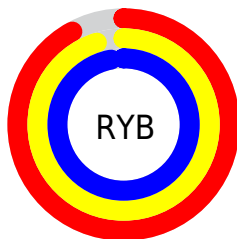
The XYZ color **83.9805, 91.2198, 99.5671** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4236, 84.9189, 92.1192**, and the grayscale version is **85.5680, 90.0242, 98.0363**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3950, 50.8384, 55.5116** is the 20% darker color. If you saturate the color by 10%, you get **75.6015, 86.9953, 94.9976**, and if you desaturate by 10%, it is **92.1149, 95.3206, 104.2509**.

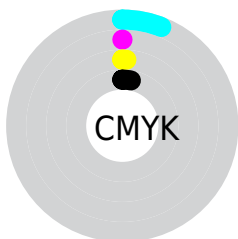
Distribution



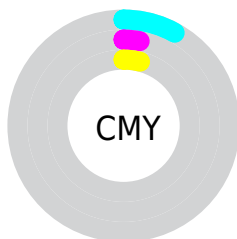
- Red (92%)
- Green (97%)
- Blue (96%)



- Red (92%)
- Yellow (95%)
- Blue (97%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (3%)





- Cyan (8%)
- Magenta (3%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9805, 91.2198, 99.5671 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 83.9805, 91.2198, 99.5671 by changing the saturation by 10% instead.


 83.9805, 91.2198,
99.5671

 83.9805, 91.2198,
99.5671


496.7831,
531.9909, 580.0387

 63.3190, 68.9928,
75.3242

137.8693,
149.0316, 162.6088

 46.3589, 50.7058,
55.3752


171.8273,
185.3852, 202.2447

 32.7350, 35.9746,
39.3016


210.9482,
227.2164, 247.8487

 22.0818, 24.4145,
26.6848

255.5973,
274.9096, 299.8393

 14.0339, 15.6414,
17.1063

306.1400,
328.8493, 358.6351

 8.2261, 9.2708,
10.1475

362.9416,

 4.2930, 4.9182,

389.4198, 424.6545

5.3900

426.3675,
457.0055, 498.3162

■ 1.8692, 2.1994,
2.4151

■ 0.5588, 0.7196,
0.7947

■ 83.9805, 91.2198,
99.5671

■ 83.9805, 91.2198,
99.5671

■ 75.6015, 86.9953,
94.9976

■ 92.1149, 95.3206,
104.2509

■ 68.3358, 83.3395,
90.5992

■ 92.8591, 95.6183,
108.1697

■ 62.1352, 80.2302,
86.3705

■ 56.9454, 77.6393,
82.3080

■ 52.7070, 75.5362,
78.4078

■ 49.3542, 73.8871,
74.6659

■ 46.8127, 72.6537,
71.0775

■ 44.9958, 71.7914,
67.6376

■ 43.7965, 71.2449,
64.3402

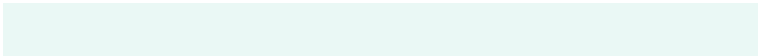
Harmonies

Analogous

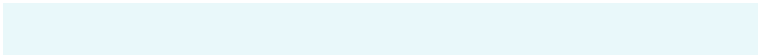
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2999, 91.2198, 95.6425



83.9805, 91.2198, 99.5671



84.3836, 91.2198, 103.5304

Triad

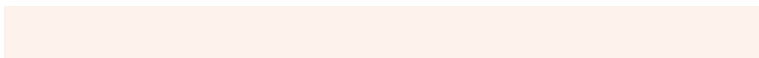
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9805, 91.2198, 99.5671



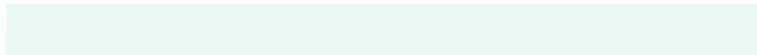
88.1586, 91.2198, 106.1736



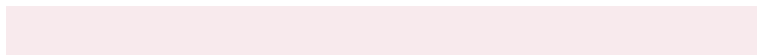
88.0095, 91.2198, 92.5403

Complementary

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



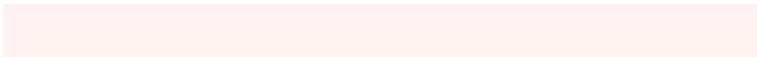
83.9805, 91.2198, 99.5671



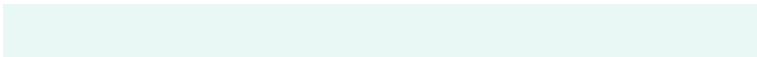
83.4236, 84.9189, 92.1192

Split Complementary

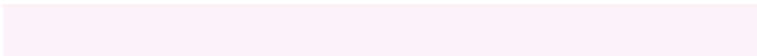
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0619, 91.2198, 95.2309



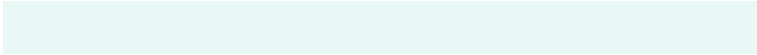
83.9805, 91.2198, 99.5671



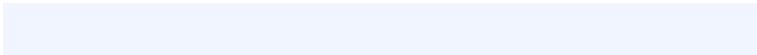
89.1487, 91.2198, 103.0964

Square

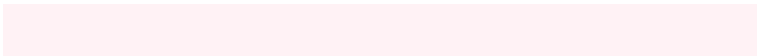
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9805, 91.2198, 99.5671



86.7869, 91.2198, 107.4091



89.4810, 91.2198, 99.0790



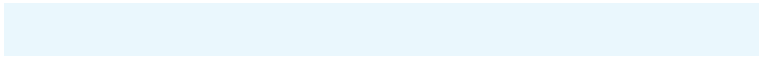
86.6165, 91.2198, 91.6530

Rectangle

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



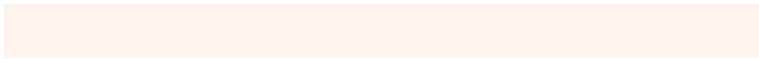
83.9805, 91.2198, 99.5671



85.0103, 91.2198, 105.6428



89.4810, 91.2198, 99.0790



88.4153, 91.2198, 93.2601

Sweetspot

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



83.9831, 91.2237, 99.5691



93.0229, 98.9753, 107.8883



83.3577, 91.0896, 91.0319



19.9320, 21.1955, 23.1032



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

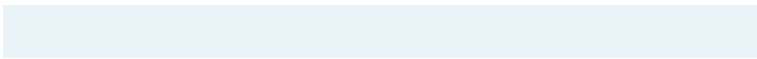
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9831, 91.2237, 99.5691



88.1747, 96.5262, 105.3923



83.2385, 88.9946, 101.6021



17.9545, 19.7215, 21.5355



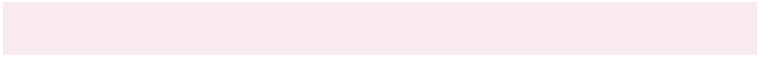
23.4960, 38.4114, 34.2851



2.2144, 3.5729, 3.3770

Inverse Universe

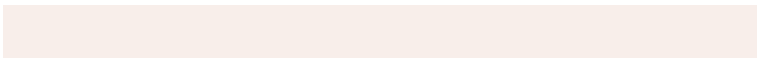
The Inverse Universe completely reimagines the original color for something new.



83.4236, 84.9189, 92.1192



87.4417, 88.2649, 95.6308



84.1306, 87.0294, 90.2074



17.7923, 17.8939, 19.3760



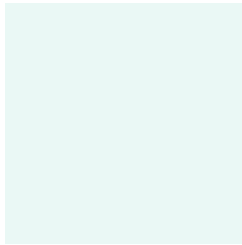
21.3031, 10.9370, 3.0386



2.0103, 1.0278, 0.4776

Previews

White Background



This preview shows how the XYZ color 83.9805, 91.2198, 99.5671 looks on a white background.

Color Contrast Check

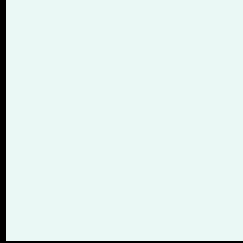
Large Text (above 18pt) WCAG AA × Fail

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 83.9805, 91.2198, 99.5671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

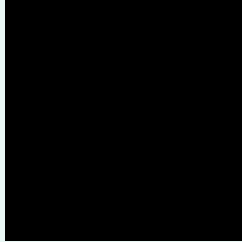
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

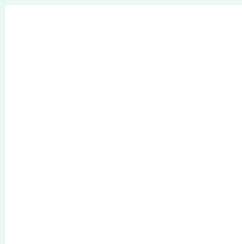
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.9805, 91.2198, 99.5671

Background



This preview shows how black text looks on a background with the XYZ color 83.9805, 91.2198, 99.5671.



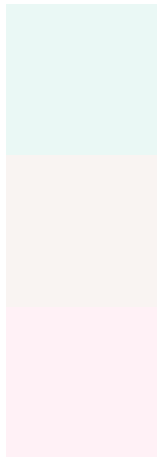
This preview shows how white text looks on a background with the XYZ color 83.9805, 91.2198,

99.5671.

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

83.9805, 91.2198, 99.5671

Protanopia

87.4446, 91.2519, 97.0090

Deuteranopia

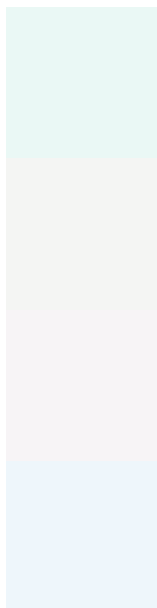
89.3298, 90.8244, 100.0115



Tritanopia

86.9780, 91.2256, 107.6318

Trichromacy



Original Color

83.9805, 91.2198, 99.5671

Protanomaly

86.1383, 91.0090, 97.8205

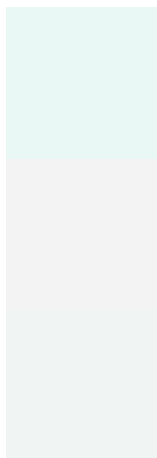
Deuteranomaly

87.3430, 91.1293, 100.1750

Tritanomaly

85.6282, 91.0537, 104.3288

Monochromacy



Original Color

83.9805, 91.2198, 99.5671

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.9167, 90.3617, 98.5539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9805, 91.2198, 99.5671 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(234, 248, 245) looks like.

```
.text, #text, p{  
    color:rgb(234, 248, 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(234, 248, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 248, 245) }
```

Border

The CSS property to change the border of an element to XYZ 83.9805, 91.2198, 99.5671 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(234, 248, 245) }
```


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

```
.border{ border-color:rgb(234, 248, 245) }
```

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

Here you see how a box with a 4 pixel rgb(234, 248, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 248, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 248, 245);  
box-shadow:4px 4px 4px 4px rgb(234, 248,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9805, 91.2198, 99.5671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 248, 245) }
```

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

```
.background{ background-color: rgb(234,  
248, 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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