

Converting Colors

XYZ(83.5042, 88.7348, 90.5689)

Have a look what the booklet for
XYZ(83.5042, 88.7348, 90.5689)
contains.

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Color

**XYZ(83.5198, 88.9189,
90.6030)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | F2F3EA |
| RGB | 242, 243, 234 |
| RGB Percent | 95%, 95%, 92% |
| CMY | 0.0510, 0.0470, 0.0823 |
| CMYK | 0.00, 0.00, 0.04, 0.05 |
| HSL | 67°, 27%, 94% |
| HSV | 67°, 4%, 95% |
| XYZ | 83.5198, 88.9189, 90.6030 |
| YIQ | 241.6750, 2.2930, -3.0110 |

Conversions

Conversions Part 2

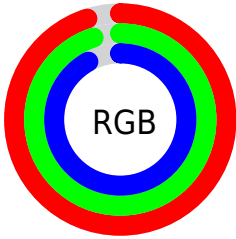
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 234, 243, 235 |
| Decimal | 15922154 |
| CIE Lab | 95.55, -1.89, 4.21 |
| CIE LCh | 96, 4.613, 114.243 |
| Yxy | 88.9189, 0.3175, 0.3380 |
| Android (android.graphics.Color) | 4294112234 (0xFFFF2F3EA) |
| YUV | 241.6750, -3.7838, 0.2850 |
| Hunter-Lab | 94.2968, -6.9199, 9.0403 |

Details

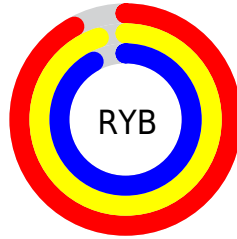
The XYZ color **83.5198, 88.9189, 90.6030** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.8648, 82.9813, 96.6062**, and the grayscale version is **84.1710, 88.5545, 96.4358**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0559, 49.1941, 49.1875** is the 20% darker color. If you saturate the color by 10%, you get **79.3428, 87.1443, 73.4165**, and if you desaturate by 10%, it is **87.6581, 90.6854, 107.4917**.

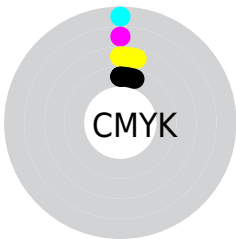
Distribution



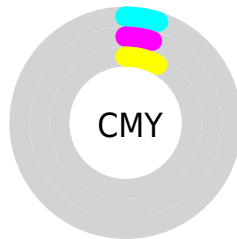
- Red (95%)
- Green (95%)
- Blue (92%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5198, 88.9189, 90.6030 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 83.5198, 88.9189, 90.6030 by changing the saturation by 10% instead.

83.5198, 88.9189,
90.6030

83.5198, 88.9189,
90.6030

495.2750,
524.5078, 550.6111

62.9374, 67.0843,
67.9043

137.2280,
145.8358, 150.1185

46.0490, 49.1532,
49.3537

171.0845,
181.6869, 187.7725

32.4893, 34.7410,
34.5326

210.0965,
222.9790, 231.2486

21.8929, 23.4634,
23.0224

254.6292,
270.0964, 280.9655

13.8944, 14.9361,
14.4046

305.0481,
323.4236, 337.3417

8.1284, 8.7745,
8.2606

361.7184,

4.2297, 4.5944,

383.3450, 400.7956

4.1720

425.0056,
450.2449, 471.7459

■ 1.8329, 2.0113,
1.7202

■ 0.5374, 0.6140,
0.3745

■ 83.5198, 88.9189,
90.6030

■ 83.5198, 88.9189,
90.6030

■ 79.3428, 87.1443,
73.4165

■ 87.6581, 90.6854,
107.4917

■ 75.6366, 85.5567,
58.6486

■ 88.6093, 91.1757,
107.5362

■ 72.3830, 84.1517,
46.1924

■ 89.5745, 91.6733,
107.5814

■ 69.5596, 82.9204,
35.9306

■ 90.5536, 92.1780,
107.6272

67.1421, 81.8530,
27.7357

91.3423, 92.5846,
107.6641

65.1038, 80.9388,
21.4671

63.4145, 80.1659,
16.9665

62.0395, 79.5201,
14.0508

60.9363, 78.9847,
12.4970

Harmonies

Analogous

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



84.7590, 88.9189, 90.0499



83.5198, 88.9189, 90.6030



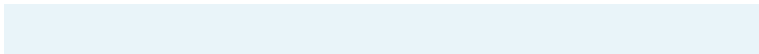
82.5560, 88.9189, 92.8033

Triad

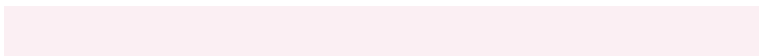
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5198, 88.9189, 90.6030



83.1012, 88.9189, 102.5820



86.9583, 88.9189, 97.5180

Complementary

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



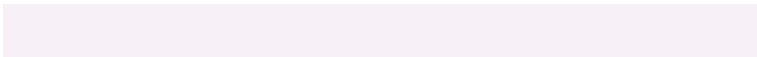
83.5198, 88.9189, 90.6030



79.8648, 82.9813, 96.6062

Split Complementary

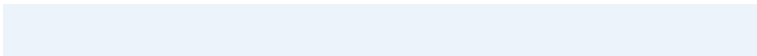
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.5043, 88.9189, 100.9460



83.5198, 88.9189, 90.6030



84.2710, 88.9189, 103.9161

Square

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



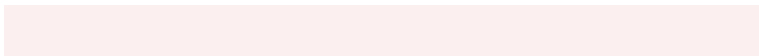
83.5198, 88.9189, 90.6030



82.3160, 88.9189, 99.7065



85.5176, 88.9189, 103.3100



86.7523, 88.9189, 93.9849

Rectangle

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



83.5198, 88.9189, 90.6030



82.1951, 88.9189, 94.9380



85.5176, 88.9189, 103.3100



86.8777, 88.9189, 98.7218

Sweetspot

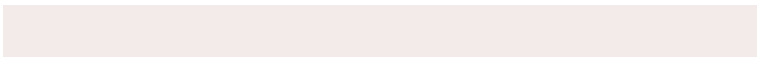
The Sweet Spot groups the original color and five complimentary colors.



83.5223, 88.9227, 90.6049



94.5375, 99.7829, 106.7472



81.4960, 84.3570, 89.8304



20.2403, 21.3599, 22.8710



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

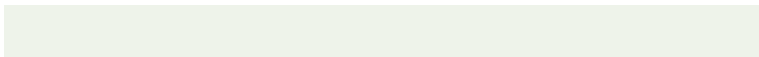
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5223, 88.9227, 90.6049



93.0335, 99.1452, 100.4598



82.0307, 88.1538, 90.5351



18.1635, 19.4020, 19.3962



33.1879, 43.2218, 6.5935



2.9678, 3.8250, 0.5819

Inverse Universe

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



79.8648, 82.9813, 96.6062



88.6261, 91.9854, 107.6916



81.3351, 83.7392, 96.6750



17.1465, 17.7498, 21.0649



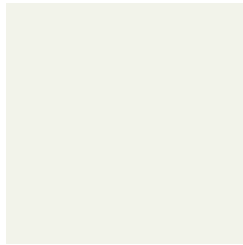
9.1832, 3.7084, 46.7698



0.8623, 0.3544, 4.1132

Previews

White Background



This preview shows how the XYZ color 83.5198, 88.9189, 90.6030 looks on a white background.

Color Contrast Check

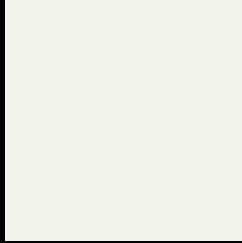
Large Text (above 18pt) WCAG AA × Fail

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 83.5198, 88.9189, 90.6030 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

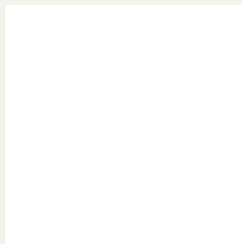
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.5198, 88.9189, 90.6030

Background



This preview shows how black text looks on a background with the XYZ color 83.5198, 88.9189, 90.6030.



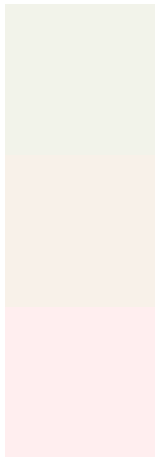
This preview shows how white text looks on a background with the XYZ color 83.5198, 88.9189,

90.630.

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

83.5198, 88.9189, 90.6030

Protanopia

84.8747, 88.7502, 89.7479

Deuteranopia

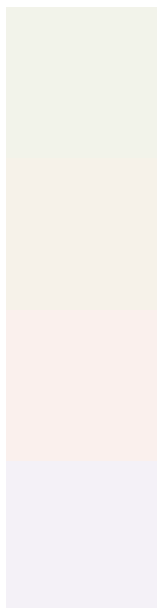
87.3945, 88.6411, 94.1646



Tritanopia

86.8663, 88.9527, 107.1990

Trichromacy



Original Color

83.5198, 88.9189, 90.6030

Protanomaly

84.4661, 88.9803, 89.8139

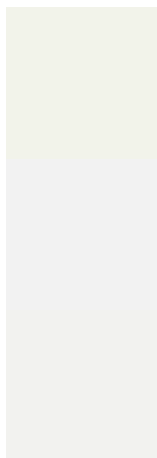
Deuteranomaly

85.8705, 88.7586, 92.7270

Tritanomaly

85.5520, 88.8591, 100.6381

Monochromacy



Original Color

83.5198, 88.9189, 90.6030

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9501, 88.6135, 94.3408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5198, 88.9189, 90.6030 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(242, 243, 234) looks like.

```
.text, #text, p{  
    color:rgb(242, 243, 234)  
}
```

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(242, 243, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 243, 234) }
```

Border

The CSS property to change the border of an element to XYZ 83.5198, 88.9189, 90.6030 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(242, 243, 234) }
```


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

```
.border{ border-color:rgb(242, 243, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 243, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 243, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 243, 234);  
box-shadow:4px 4px 4px 4px rgb(242, 243,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5198, 88.9189, 90.6030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 243, 234) }
```

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

```
.background{ background-color: rgb(242,  
243, 234) }
```

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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