

Converting Colors

XYZ(84.8783, 88.1974, 90.0238)

Have a look what the booklet for
XYZ(84.8783, 88.1974, 90.0238)
contains.

XYZ(85.0783, 88.4004, 90.4208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.0783, 88.4004,
90.4208)**

Conversions

Conversions Part 1

Format	Color
Hex	F9F0EA
RGB	249, 240, 234
RGB Percent	98%, 94%, 92%
CMY	0.0235, 0.0588, 0.0823
CMYK	0.00, 0.04, 0.06, 0.02
HSL	24°, 56%, 95%
HSV	24°, 6%, 98%
XYZ	85.0783, 88.4004, 90.4208
YIQ	242.0070, 7.2900, 0.0420

Conversions

Conversions Part 2

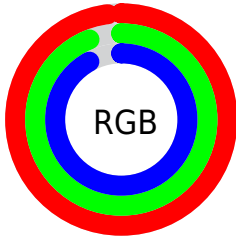
Format	Color
R_{YB}	249, 244, 234
Decimal	16380138
CIE _{Lab}	95.33, 2.00, 3.96
CIE _{LCh}	95, 4.436, 63.161
Yxy	88.4004, 0.3224, 0.3350
Android (android.graphics.Color)	4294570218 (0xFFFF9F0EA)
YUV	242.0070, -3.9475, 6.1329
Hunter-Lab	94.0215, -3.0163, 8.7956

Details

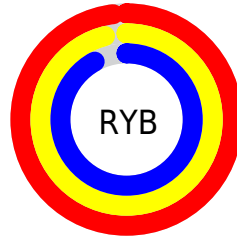
The XYZ color **85.0783, 88.4004, 90.4208** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.0811, 88.4319, 102.3139**, and the grayscale version is **84.4320, 88.8290, 96.7348**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1687, 48.8328, 49.0591** is the 20% darker color. If you saturate the color by 10%, you get **77.5336, 78.6384, 71.4798**, and if you desaturate by 10%, it is **92.8579, 98.8410, 108.7918**.

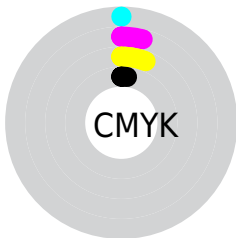
Distribution



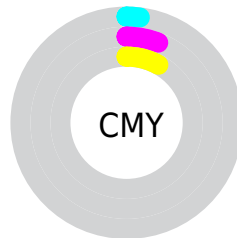
- Red (98%)
- Green (94%)
- Blue (92%)



- Red (98%)
- Yellow (96%)
- Blue (92%)



- Cyan (0%)
- Magenta (4%)
- Yellow (6%)
- Black (2%)





- Cyan (2%)
- Magenta (6%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.0783, 88.4004, 90.4208 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 85.0783, 88.4004, 90.4208 by changing the saturation by 10% instead.


 85.0783, 88.4004,
90.4208

 85.0783, 88.4004,
90.4208


500.3669,
522.8136, 550.0041

 64.2288, 66.6547,
67.7540

139.3960,
145.1145, 149.8634

 47.0984, 48.8041,
49.2322


173.5950,
180.8516, 187.4763

 33.3217, 34.4641,
34.4368


212.9744,
222.0214, 230.9083

 22.5334, 23.2504,
22.9493

257.8997,
269.0083, 280.5780

 14.3682, 14.7785,
14.3511

308.7363,
322.1965, 336.9039

 8.4606, 8.6641,
8.2238

365.8494,

 4.4453, 4.5227,

381.9705, 400.3045

4.1486

429.6045,
448.7147, 471.1984

■ 1.9570, 1.9701,
1.7072

■ 0.6097, 0.5900,
0.3657

■ 85.0783, 88.4004,
90.4208

■ 85.0783, 88.4004,
90.4208

■ 77.5336, 78.6384,
71.4798

■ 92.8579, 98.8410,
108.7918

■ 70.8215, 69.7715,
55.1928

■ 92.8774, 98.8800,
108.7983

■ 64.9131, 61.7768,
41.4410

■ 59.7752, 54.6258,
30.0946

■ 55.3716, 48.2885,
21.0120

■ 51.6629, 42.7328,
14.0368

■ 48.6056, 37.9240,
8.9919

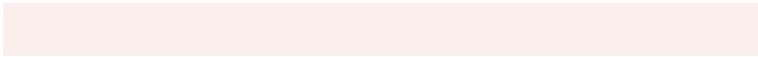
■ 46.1497, 33.8239,
5.6710

■ 44.2355, 30.3894,
3.8186

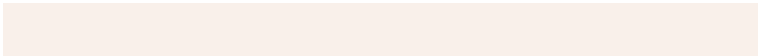
Harmonies

Analogous

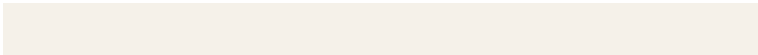
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9876, 88.4004, 92.6489



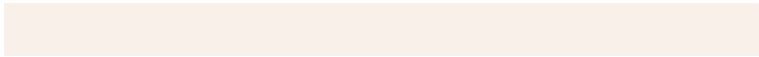
85.0783, 88.4004, 90.4208



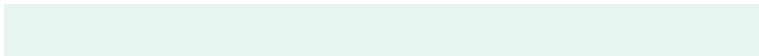
83.8935, 88.4004, 89.7427

Triad

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



85.0783, 88.4004, 90.4208



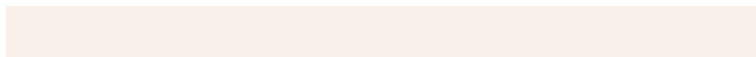
81.7169, 88.4004, 96.6214



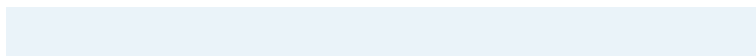
85.3029, 88.4004, 101.9480

Complementary

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



85.0783, 88.4004, 90.4208



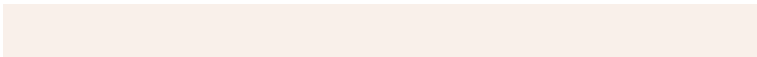
83.0811, 88.4319, 102.3139

Split Complementary

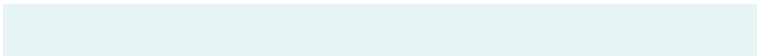
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1505, 88.4004, 103.0708



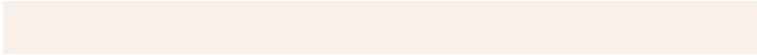
85.0783, 88.4004, 90.4208



82.0864, 88.4004, 99.9494

Square

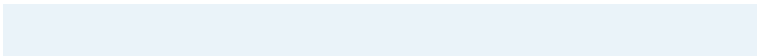
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



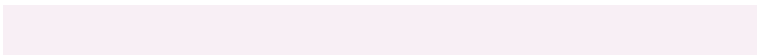
85.0783, 88.4004, 90.4208



81.9600, 88.4004, 93.2716



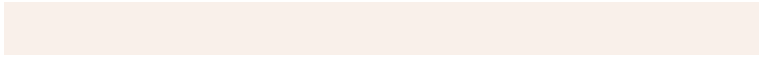
82.9743, 88.4004, 102.3308



86.1181, 88.4004, 99.2973

Rectangle

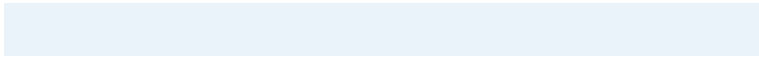
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0783, 88.4004, 90.4208



83.1088, 88.4004, 90.2473



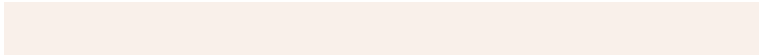
82.9743, 88.4004, 102.3308



84.9417, 88.4004, 102.5195

Sweetspot

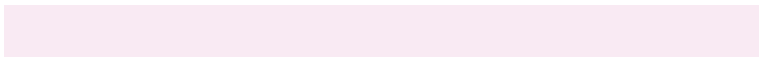
The Sweet Spot groups the original color and five complimentary colors.



85.0808, 88.4043, 90.4227



93.2717, 97.7399, 104.3100



84.6686, 85.4578, 96.8277



19.9826, 20.9441, 22.3747



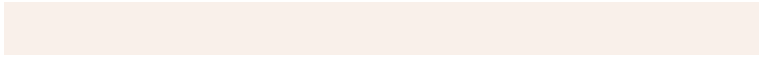
0.0000, 0.0000, 0.0000



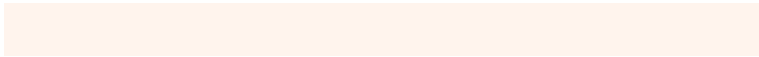
20.3446, 21.4041, 23.3091

Same Dimension

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



85.0808, 88.4043, 90.4227



88.9876, 92.2623, 93.3540



87.3332, 92.9092, 91.1735



18.1335, 18.7760, 18.8742



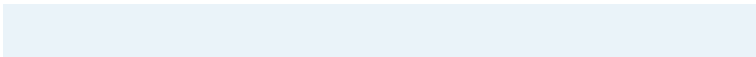
23.4644, 15.8854, 1.8295



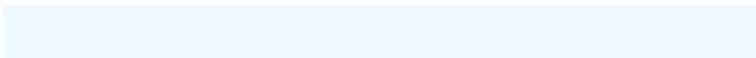
2.2738, 1.6724, 0.2030

Inverse Universe

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



83.0811, 88.4319, 102.3139



86.5480, 92.2960, 107.8611



80.8835, 84.0367, 101.5813



17.5938, 18.7834, 22.0836



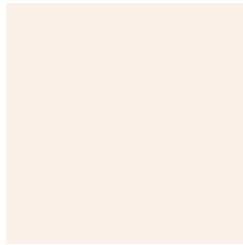
15.0764, 15.5084, 50.1724



1.5000, 1.6438, 4.6814

Previews

White Background



This preview shows how the XYZ color 85.0783, 88.4004, 90.4208 looks on a white background.

Color Contrast Check

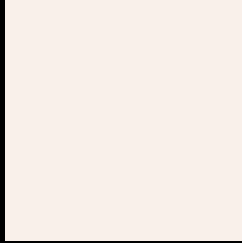
Large Text (above 18pt) WCAG AA × Fail

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 85.0783, 88.4004, 90.4208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

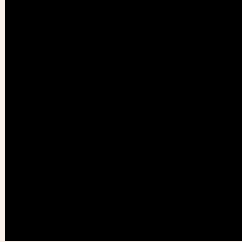
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

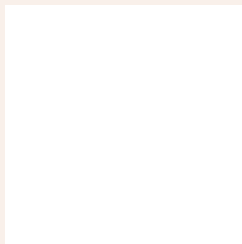
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.0783, 88.4004, 90.4208

Background



This preview shows how black text looks on a background with the XYZ color 85.0783, 88.4004, 90.4208.



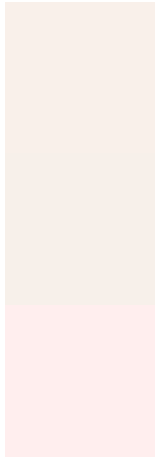
This preview shows how white text looks on a background with the XYZ color 85.0783, 88.4004,

90.4208.

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

85.0783, 88.4004, 90.4208

Protanopia

84.3691, 88.0348, 90.3876

Deuteranopia

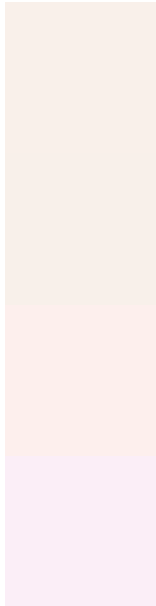
87.2472, 88.5821, 93.3886



Tritanopia

88.4791, 88.4838, 107.0235

Trichromacy



Original Color

85.0783, 88.4004, 90.4208

Protanomaly

84.7228, 88.2171, 90.4041

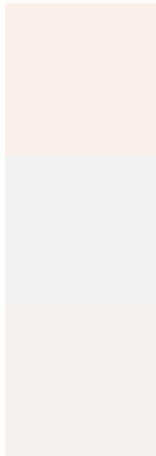
Deuteranomaly

86.6606, 88.7301, 92.6799

Tritanomaly

87.1467, 88.3737, 100.4604

Monochromacy



Original Color

85.0783, 88.4004, 90.4208

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.6915, 88.5551, 94.2905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0783, 88.4004, 90.4208 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(249, 240, 234) looks like.

```
.text, #text, p{  
    color:rgb(249, 240, 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(249, 240, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 240, 234) }
```

Border

The CSS property to change the border of an element to XYZ 85.0783, 88.4004, 90.4208 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(249, 240, 234) }
```


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

```
.border{ border-color:rgb(249, 240, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 240, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 240, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 240, 234);  
box-shadow:4px 4px 4px 4px rgb(249, 240,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0783, 88.4004, 90.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 240, 234) }
```

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

```
.background{ background-color: rgb(249,  
240, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor