

Converting Colors

XYZ(84.9794, 90.3788, 95.1706)

Have a look what the booklet for
XYZ(84.9794, 90.3788, 95.1706)
contains.

XYZ(84.9985, 90.4733, 95.4213)	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(84.9985, 90.4733,
95.4213)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F5F0
RGB	242, 245, 240
RGB Percent	95%, 96%, 94%
CMY	0.0510, 0.0392, 0.0588
CMYK	0.01, 0.00, 0.02, 0.04
HSL	96°, 20%, 95%
HSV	96°, 2%, 96%
XYZ	84.9985, 90.4733, 95.4213
YIQ	243.5330, -0.1830, -2.1910

Conversions

Conversions Part 2

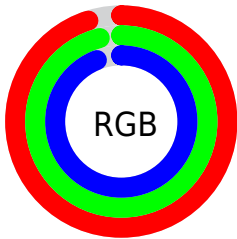
Format	Color
R _Y B	240, 245, 243
Decimal	15922672
CIE Lab	96.19, -1.87, 2.04
CIE LCh	96, 2.770, 132.464
Yxy	90.4733, 0.3138, 0.3340
Android (android.graphics.Color)	4294112752 (0xFF2F5F0)
YUV	243.5330, -1.7418, -1.3444
Hunter-Lab	95.1175, -6.9450, 7.1028

Details

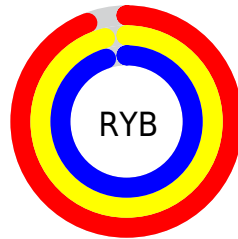
The XYZ color **84.9985, 90.4733, 95.4213** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.6072, 87.9699, 98.9114**, and the grayscale version is **85.6318, 90.0913, 98.1094**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0990, 50.2950, 52.5729** is the 20% darker color. If you saturate the color by 10%, you get **76.7551, 86.6188, 77.3018**, and if you desaturate by 10%, it is **91.9442, 93.7883, 107.8647**.

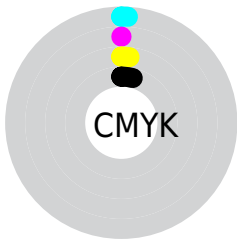
Distribution



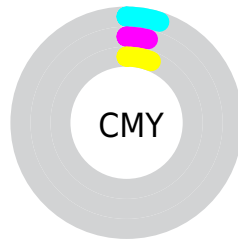
- Red (95%)
- Green (96%)
- Blue (94%)



- Red (94%)
- Yellow (96%)
- Blue (95%)



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



- Cyan (5%)
- Magenta (4%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9985, 90.4733, 95.4213 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 84.9985, 90.4733, 95.4213 by changing the saturation by 10% instead.

84.9985, 90.4733,
95.4213

84.9985, 90.4733,
95.4213

500.1069,
529.5693, 566.5316

64.1626, 68.3733,
71.8868

139.2851,
147.9957, 156.8471

47.0446, 50.2015,
52.5800

173.4666,
184.1868, 195.5755

33.2790, 35.5735,
37.0821

212.8273,
225.8437, 240.2057

22.5005, 24.1050,
24.9748

257.7326,
273.3508, 291.1562

14.3438, 15.4115,
15.8394

308.5478,
327.0925, 348.8454

8.4435, 9.1087,
9.2575

365.6384,

4.4342, 4.8122,

387.4533, 413.6921

4.8104

429.3696,
454.8174, 486.1146

■ 1.9506, 2.1375,
2.0797

■ 0.6060, 0.6856,
0.6036

■ 84.9985, 90.4733,
95.4213

■ 84.9985, 90.4733,
95.4213

■ 76.7551, 86.6188,
77.3018

■ 91.9442, 93.7883,
107.8647

■ 69.3776, 83.1536,
61.6842

■ 62.8381, 80.0683,
48.4602

■ 57.1037, 77.3485,
37.5110

■ 52.1394, 74.9790,
28.7082

■ 47.9074, 72.9434,
21.9100

■ 44.3658, 71.2236,
16.9580

■ 41.4677, 69.7994,
13.6696

■ 39.1584, 68.6473,
11.8250

Harmonies

Analogous

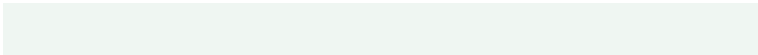
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6737, 90.4733, 94.4358



84.9985, 90.4733, 95.4213



84.5910, 90.4733, 97.2405

Triad

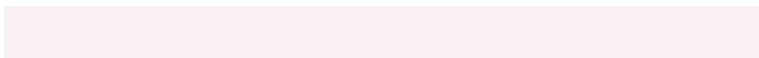
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9985, 90.4733, 95.4213



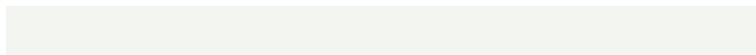
85.5477, 90.4733, 102.6002



87.4429, 90.4733, 97.5996

Complementary

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



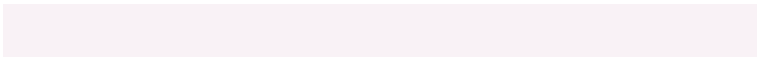
84.9985, 90.4733, 95.4213



84.6072, 87.9699, 98.9114

Split Complementary

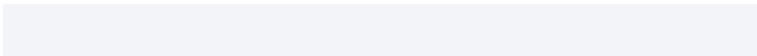
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4087, 90.4733, 99.7905



84.9985, 90.4733, 95.4213



86.3114, 90.4733, 102.6999

Square

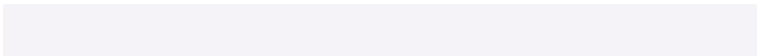
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



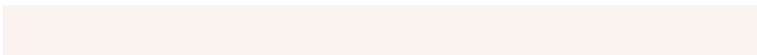
84.9985, 90.4733, 95.4213



84.9068, 90.4733, 101.3945



86.9935, 90.4733, 101.6647



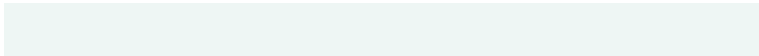
87.0867, 90.4733, 95.6808

Rectangle

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



84.9985, 90.4733, 95.4213



84.5244, 90.4733, 98.6921



86.9935, 90.4733, 101.6647



87.4768, 90.4733, 98.3283

Sweetspot

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



85.0010, 90.4772, 95.4233



94.0811, 99.5476, 106.7258



85.4385, 89.8086, 95.2712



20.1474, 21.3121, 22.8666



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

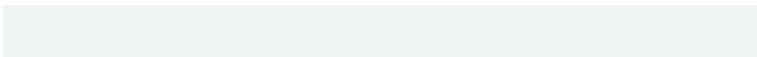
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0010, 90.4772, 95.4233



93.1221, 99.0997, 104.5804



84.3928, 90.1550, 95.7834



18.2714, 19.4323, 20.5418



20.4446, 36.6524, 5.9971



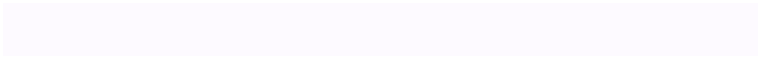
1.9095, 3.2794, 0.5324

Inverse Universe

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



84.6072, 87.9699, 98.9114



92.6987, 96.4046, 108.3299



85.2248, 88.2971, 98.5421



18.1928, 18.9320, 21.2379



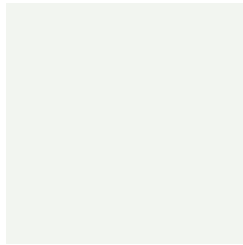
15.5307, 6.9807, 47.0669



1.4807, 0.6732, 4.1421

Previews

White Background



This preview shows how the XYZ color 84.9985, 90.4733, 95.4213 looks on a white background.

Color Contrast Check

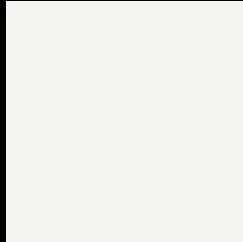
Large Text (above 18pt) WCAG AA × Fail

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 84.9985, 90.4733, 95.4213 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

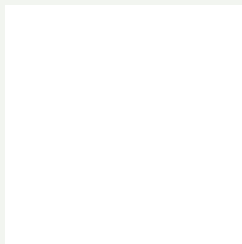
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.9985, 90.4733, 95.4213

Background



This preview shows how black text looks on a background with the XYZ color 84.9985, 90.4733, 95.4213.



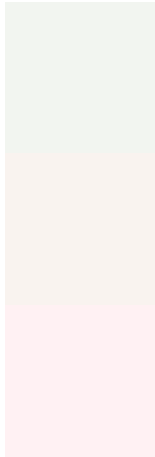
This preview shows how white text looks on a background with the XYZ color 84.9985, 90.4733,

95.413.

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

84.9985, 90.4733, 95.4213

Protanopia

86.6975, 90.4729, 94.5549

Deuteranopia

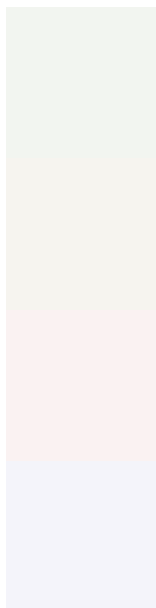
88.8730, 90.6417, 97.6055



Tritanopia

87.7568, 90.7337, 107.4958

Trichromacy



Original Color

84.9985, 90.4733, 95.4213

Protanomaly

85.9367, 90.5262, 94.6053

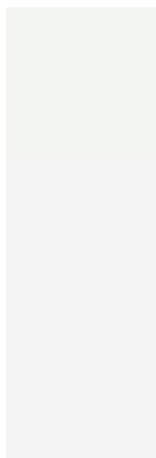
Deuteranomaly

87.2035, 90.2391, 96.8262

Tritanomaly

86.9142, 90.8366, 103.3948

Monochromacy



Original Color

84.9985, 90.4733, 95.4213

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.4905, 90.2271, 97.7038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9985, 90.4733, 95.4213 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, 245, 240) looks like.

```
.text, #text, p{  
    color:rgb(242, 245, 240)  
}
```

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, 245, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 245, 240) }
```

Border

The CSS property to change the border of an element to XYZ 84.9985, 90.4733, 95.4213 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, 245, 240) }
```


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

```
.border{ border-color:rgb(242, 245, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 245, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 245, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 245, 240);  
box-shadow:4px 4px 4px 4px rgb(242, 245,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9985, 90.4733, 95.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 245, 240) }
```

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

```
.background{ background-color: rgb(242,  
245, 240) }
```

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