

Converting Colors

XYZ(83.8165, 90.2207, 99.0393)

Have a look what the booklet for
XYZ(83.8165, 90.2207, 99.0393)
contains.

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Color

**XYZ(84.0293, 90.3370,
99.3942)**

Conversions

Conversions Part 1

Format	Color
Hex	ECF6F5
RGB	236, 246, 245
RGB Percent	93%, 96%, 96%
CMY	0.0745, 0.0353, 0.0392
CMYK	0.04, 0.00, 0.00, 0.04
HSL	174°, 36%, 95%
HSV	174°, 4%, 96%
XYZ	84.0293, 90.3370, 99.3942
YIQ	242.8960, -5.6390, -2.4310

Conversions

Conversions Part 2

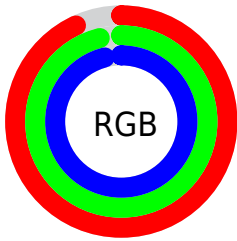
Format	Color
R _Y B	236, 241, 246
Decimal	15529717
CIE Lab	96.14, -3.46, -0.67
CIE LCh	96, 3.530, 191.011
Yxy	90.3370, 0.3069, 0.3300
Android (android.graphics.Color)	4293719797 (0xFFE6CF6F5)
YUV	242.8960, 1.0373, -6.0478
Hunter-Lab	95.0458, -8.5195, 4.5295

Details

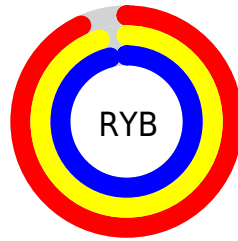
The XYZ color **84.0293, 90.3370, 99.3942** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.2909, 85.7006, 92.2771**, and the grayscale version is **85.1062, 89.5383, 97.5072**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4212, 50.2043, 55.3879** is the 20% darker color. If you saturate the color by 10%, you get **76.0438, 86.2661, 97.0678**, and if you desaturate by 10%, it is **91.0587, 93.9195, 101.7058**.

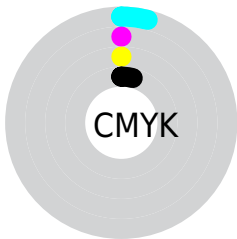
Distribution



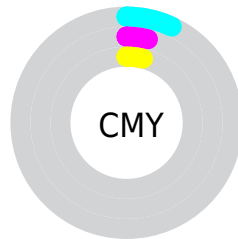
- Red (93%)
- Green (96%)
- Blue (96%)



- 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 84.0293, 90.3370, 99.3942 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 84.0293, 90.3370, 99.3942 by changing the saturation by 10% instead.

84.0293, 90.3370,
99.3942

84.0293, 90.3370,
99.3942

496.9427,
529.1265, 579.4788

63.3594, 68.2602,
75.1806

137.9372,
147.8064, 162.3690

46.3918, 50.1094,
55.2583

171.9059,
183.9678, 201.9674

32.7610, 35.5004,
39.2085

211.0383,
225.5928, 247.5311

22.1018, 24.0486,
26.6129

255.6998,
273.0659, 299.4787

14.0487, 15.3696,
17.0529

306.2556,
326.7714, 358.2287

8.2365, 9.0792,
10.1098

363.0711,

4.2997, 4.7929,

387.0937, 424.1997

5.3653

426.5117,
454.4173, 497.8102

■ 1.8731, 2.1263,
2.4007

■ 0.5611, 0.6793,
0.7868

■ 84.0293, 90.3370,
99.3942

■ 84.0293, 90.3370,
99.3942

■ 76.0438, 86.2661,
97.0678

■ 91.0587, 93.9195,
101.7058

■ 69.1400, 82.7498,
94.8164

■ 91.4433, 94.0733,
103.7309

■ 63.2717, 79.7666,
92.6394

■ 91.8329, 94.2292,
105.7827

■ 58.3863, 77.2897,
90.5344

■ 92.2277, 94.3871,
107.8613

■ 54.4266, 75.2893,
88.4986

■ 92.2475, 94.3950,
107.9658

■ 51.3294, 73.7330,
86.5289

■ 49.0235, 72.5841,
84.6219

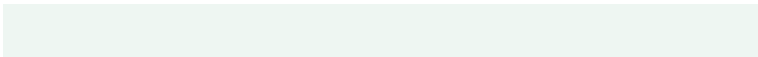
■ 47.4267, 71.8002,
82.7736

■ 46.4380, 71.3292,
80.9792

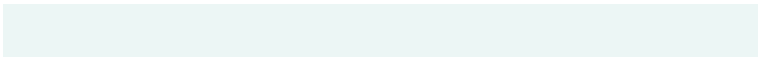
Harmonies

Analogous

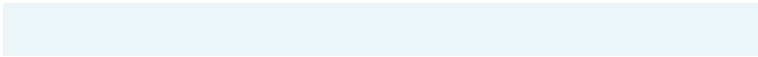
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0961, 90.3370, 96.6190



84.0293, 90.3370, 99.3942



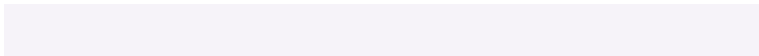
84.4509, 90.3370, 101.9394

Triad

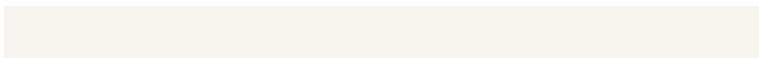
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0293, 90.3370, 99.3942



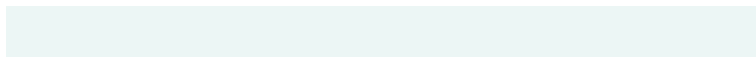
87.1029, 90.3370, 102.4832



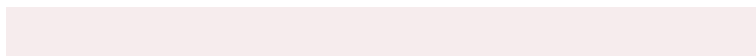
86.4762, 90.3370, 93.3548

Complementary

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



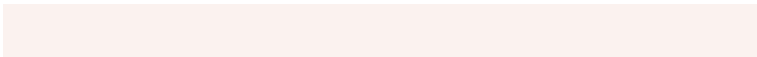
84.0293, 90.3370, 99.3942



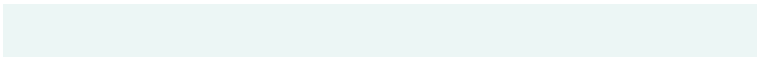
83.2909, 85.7006, 92.2771

Split Complementary

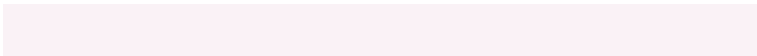
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2899, 90.3370, 94.8686



84.0293, 90.3370, 99.3942



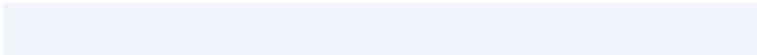
87.6537, 90.3370, 100.1251

Square

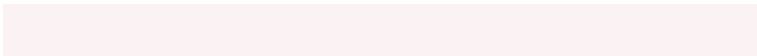
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0293, 90.3370, 99.3942



86.2224, 90.3370, 103.7453



87.7224, 90.3370, 97.3362



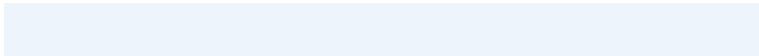
85.5038, 90.3370, 93.1676

Rectangle

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



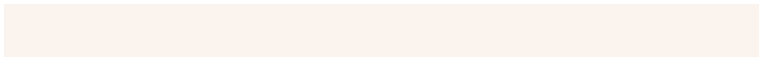
84.0293, 90.3370, 99.3942



84.9541, 90.3370, 103.1498



87.7224, 90.3370, 97.3362



86.7775, 90.3370, 93.7240

Sweetspot

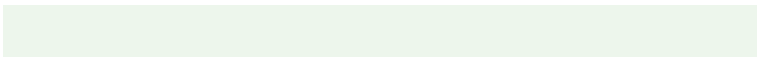
The Sweet Spot groups the original color and five complimentary colors.



84.0319, 90.3408, 99.3962



94.0769, 99.5031, 108.6395



83.0796, 90.0048, 92.3522



20.1466, 21.3030, 23.2561



0.0000, 0.0000, 0.0000



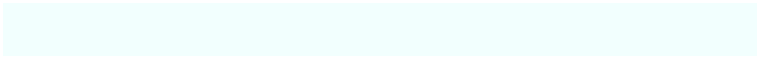
20.3446, 21.4041, 23.3091

Same Dimension

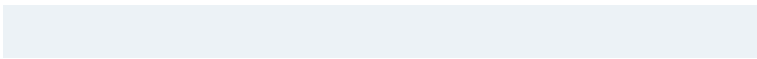
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0319, 90.3408, 99.3962



90.3085, 97.5794, 107.6064



83.0311, 88.0934, 99.8209



17.5784, 19.0629, 21.0561



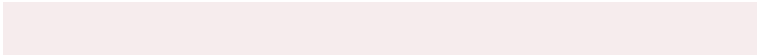
24.6090, 37.9885, 42.8226



2.1832, 3.3469, 3.8708

Inverse Universe

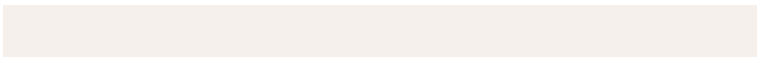
The Inverse Universe completely reimagines the original color for something new.



83.2909, 85.7006, 92.2771



89.3244, 91.4163, 98.1511



84.2606, 87.8741, 91.8787



17.3603, 17.6972, 18.9609



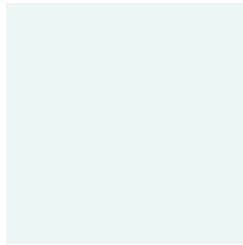
20.4010, 10.5038, 1.5541



1.8152, 0.9320, 0.2532

Previews

White Background



This preview shows how the XYZ color 84.0293, 90.3370, 99.3942 looks on a white background.

Color Contrast Check

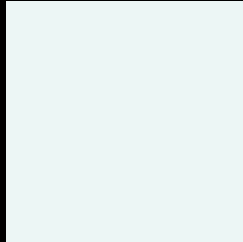
Large Text (above 18pt) WCAG AA × Fail

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 84.0293, 90.3370, 99.3942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

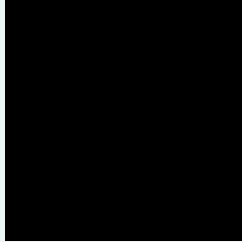
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

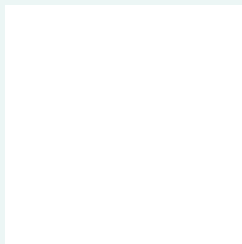
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.0293, 90.3370, 99.3942

Background



This preview shows how black text looks on a background with the XYZ color 84.0293, 90.3370, 99.3942.



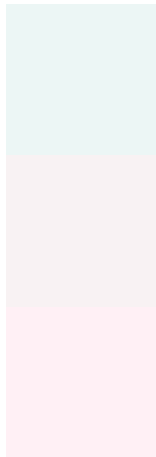
This preview shows how white text looks on a background with the XYZ color 84.0293, 90.3370,

99.3942.

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

84.0293, 90.3370, 99.3942

Protanopia

86.6412, 89.9318, 97.5861

Deuteranopia

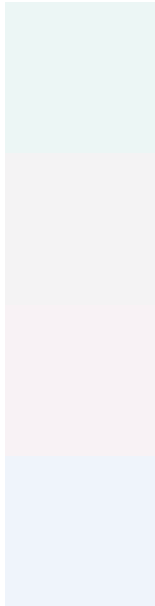
88.8815, 90.1727, 99.1067



Tritanopia

86.3762, 90.0220, 107.4312

Trichromacy



Original Color

84.0293, 90.3370, 99.3942

Protanomaly

85.6880, 89.8659, 98.4176

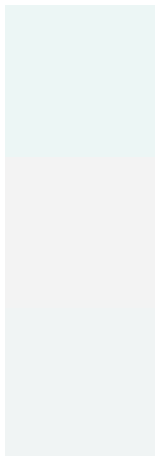
Deuteranomaly

86.9450, 90.0533, 99.1857

Tritanomaly

85.3599, 90.0171, 104.1429

Monochromacy



Original Color

84.0293, 90.3370, 99.3942

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.6150, 89.7583, 98.4533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.0293, 90.3370, 99.3942 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, 246, 245) looks like.

```
.text, #text, p{  
    color:rgb(236, 246, 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, 246, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 246, 245) }
```

Border

The CSS property to change the border of an element to XYZ 84.0293, 90.3370, 99.3942 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, 246, 245) }
```


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

```
.border{ border-color:rgb(236, 246, 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, 246, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 246, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 246, 245);  
box-shadow:4px 4px 4px 4px rgb(236, 246,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0293, 90.3370, 99.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 246, 245) }
```

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

```
.background{ background-color: rgb(236,  
246, 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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