

Converting Colors

XYZ(84.1890, 90.7613, 97.2578)

Have a look what the booklet for
XYZ(84.1890, 90.7613, 97.2578)
contains.

XYZ(84.2128, 90.9369, 97.1185)	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(84.2128, 90.9369,
97.1185)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF7F2
RGB	237, 247, 242
RGB Percent	93%, 97%, 95%
CMY	0.0706, 0.0313, 0.0510
CMYK	0.04, 0.00, 0.02, 0.03
HSL	150°, 38%, 95%
HSV	150°, 4%, 97%
XYZ	84.2128, 90.9369, 97.1185
YIQ	243.4400, -4.3550, -3.6750

Conversions

Conversions Part 2

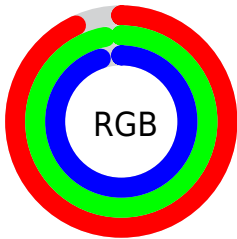
Format	Color
RYB	237, 244, 247
Decimal	15595506
CIELab	96.38, -4.18, 1.24
CIElCh	96, 4.365, 163.427
Yxy	90.9369, 0.3093, 0.3340
Android (android.graphics.Color)	4293785586 (0xFFEDF7F2)
YUV	243.4400, -0.7099, -5.6479
Hunter-Lab	95.3608, -9.2488, 6.3698

Details

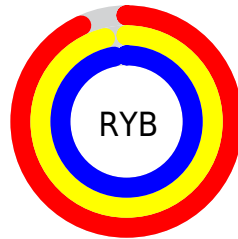
The XYZ color **84.2128, 90.9369, 97.1185** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.6723, 86.7556, 96.2916**, and the grayscale version is **85.5521, 90.0074, 98.0181**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5498, 50.6305, 53.7736** is the 20% darker color. If you saturate the color by 10%, you get **74.7341, 86.2603, 87.3141**, and if you desaturate by 10%, it is **92.4491, 94.9637, 107.5230**.

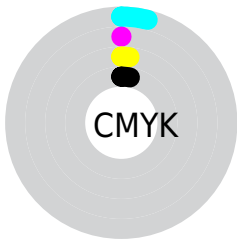
Distribution



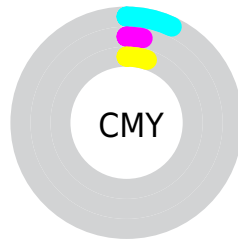
- Red (93%)
- Green (97%)
- Blue (95%)



- Red (93%)
- Yellow (96%)
- Blue (97%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)



- Cyan (7%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2128, 90.9369, 97.1185 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 84.2128, 90.9369, 97.1185 by changing the saturation by 10% instead.

84.2128, 90.9369,
97.1185

84.2128, 90.9369,
97.1185

497.5426,
531.0739, 572.0818

63.5114, 68.7580,
73.2929

138.1925,
148.6391, 159.2088

46.5153, 50.5146,
53.7222

172.2016,
184.9312, 198.3106

32.8590, 35.8225,
37.9879

211.3773,
226.6964, 243.3415

22.1771, 24.2971,
25.6716

256.0850,
274.3192, 294.7201

14.1045, 15.5542,
16.3545

306.6900,
328.1839, 352.8648

8.2755, 9.2092,
9.6183

363.5577,

4.3250, 4.8779,

388.6750, 418.1944

5.0444

427.0535,
456.1769, 491.1272

■ 1.8876, 2.1758,
2.2141

■ 0.5696, 0.7068,
0.6825

■ 84.2128, 90.9369,
97.1185

■ 84.2128, 90.9369,
97.1185

■ 74.7341, 86.2603,
87.3141

■ 92.4491, 94.9637,
107.5230

■ 66.4656, 82.1907,
78.2061

■ 92.5525, 95.0051,
108.0675

■ 59.3581, 78.7058,
69.7809

■ 53.3558, 75.7770,
62.0222

■ 48.3983, 73.3735,
54.9130

■ 44.4190, 71.4613,
48.4356

■ 41.3432, 70.0023,
42.5713

■ 39.0846, 68.9523,
37.3002

■ 37.5383, 68.2576,
32.6009

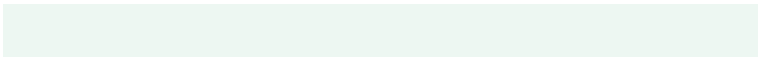
Harmonies

Analogous

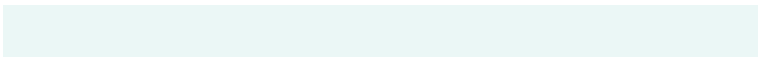
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8367, 90.9369, 94.2345



84.2128, 90.9369, 97.1185



84.1802, 90.9369, 100.5767

Triad

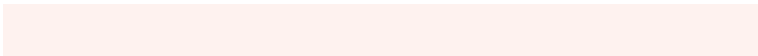
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2128, 90.9369, 97.1185



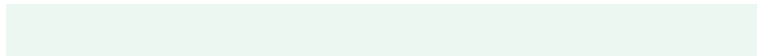
86.9764, 90.9369, 105.6667



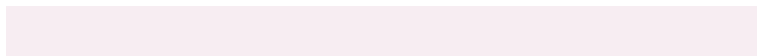
88.1407, 90.9369, 94.4860

Complementary

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



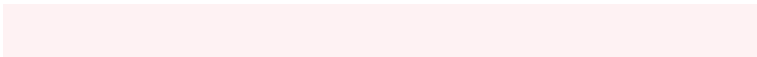
84.2128, 90.9369, 97.1185



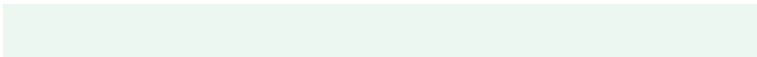
84.6723, 86.7556, 96.2916

Split Complementary

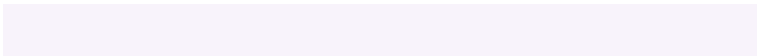
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.7252, 90.9369, 97.4692



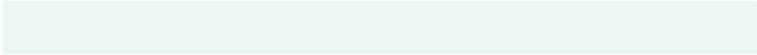
84.2128, 90.9369, 97.1185



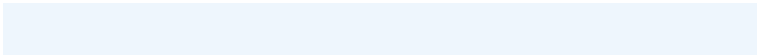
88.0488, 90.9369, 103.9542

Square

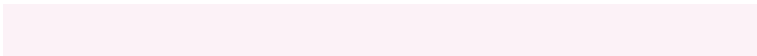
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



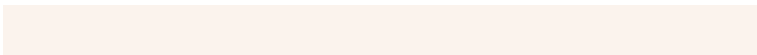
84.2128, 90.9369, 97.1185



85.7681, 90.9369, 105.5674



88.6915, 90.9369, 100.9357



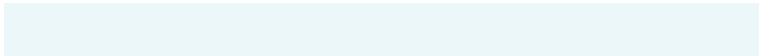
87.1009, 90.9369, 92.7392

Rectangle

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



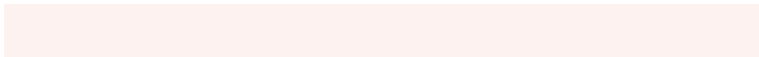
84.2128, 90.9369, 97.1185



84.4975, 90.9369, 102.7467



88.6915, 90.9369, 100.9357



88.3974, 90.9369, 95.3744

Sweetspot

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



84.2154, 90.9408, 97.1205



93.9134, 99.4377, 107.7784



85.2253, 91.5470, 93.3004



20.1133, 21.2897, 23.0809



0.0000, 0.0000, 0.0000



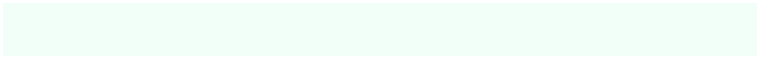
20.3446, 21.4041, 23.3091

Same Dimension

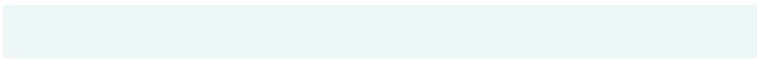
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2154, 90.9408, 97.1205



89.5039, 97.2575, 103.3694



84.9518, 91.2353, 100.9983



17.3997, 18.9915, 20.1155



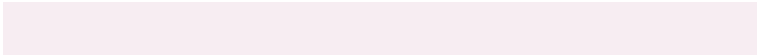
19.5681, 35.9721, 16.2772



1.7717, 3.1823, 1.7037

Inverse Universe

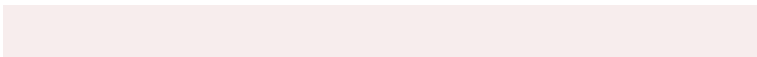
The Inverse Universe completely reimagines the original color for something new.



84.6723, 86.7556, 96.2916



90.1074, 91.7295, 102.2745



83.9551, 86.4687, 92.5149



17.5335, 17.7665, 19.8728



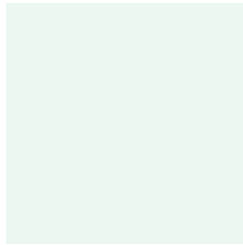
22.2668, 11.2502, 11.3794



2.0089, 1.0095, 1.2733

Previews

White Background



This preview shows how the XYZ color 84.2128, 90.9369, 97.1185 looks on a white background.

Color Contrast Check

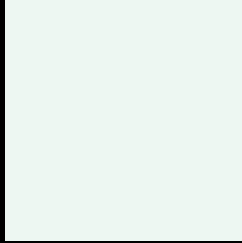
Large Text (above 18pt) WCAG AA × Fail

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 84.2128, 90.9369, 97.1185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

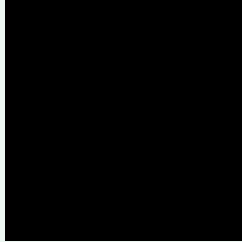
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

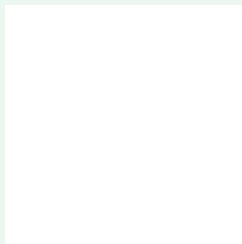
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.2128, 90.9369, 97.1185

Background



This preview shows how black text looks on a background with the XYZ color 84.2128, 90.9369, 97.1185.



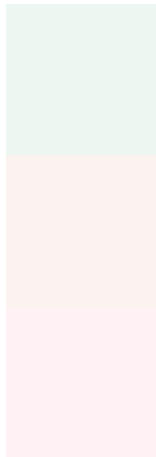
This preview shows how white text looks on a background with the XYZ color 84.2128, 90.9369,

97.1 85.

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

84.2128, 90.9369, 97.1185

Protanopia

87.2031, 90.7164, 95.3520

Deuteranopia

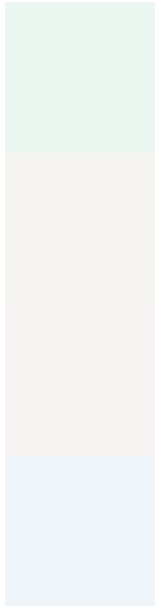
89.0244, 90.7022, 98.4031



Tritanopia

87.0186, 90.7986, 107.5473

Trichromacy



Original Color

84.2128, 90.9369, 97.1185

Protanomaly

85.8841, 90.4647, 96.1540

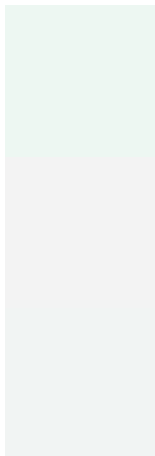
Deuteranomaly

86.9397, 90.5287, 97.6856

Tritanomaly

85.8429, 90.7322, 103.4311

Monochromacy



Original Color

84.2128, 90.9369, 97.1185

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.8040, 89.8732, 97.6716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.2128, 90.9369, 97.1185 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(237, 247, 242) looks like.

```
.text, #text, p{  
    color:rgb(237, 247, 242)  
}
```

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(237, 247, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 247, 242) }
```

Border

The CSS property to change the border of an element to XYZ 84.2128, 90.9369, 97.1185 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(237, 247, 242) }
```


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

```
.border{ border-color:rgb(237, 247, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 247, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 247, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 247, 242);  
box-shadow:4px 4px 4px 4px rgb(237, 247,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 84.2128, 90.9369, 97.1185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 247, 242) }
```

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

```
.background{ background-color: rgb(237,  
247, 242) }
```

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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