

Converting Colors

XYZ(84.6849, 90.7352, 92.0401)

Have a look what the booklet for
XYZ(84.6849, 90.7352, 92.0401)
contains.

XYZ(84.7140, 90.8449, 92.4268)	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(84.7140, 90.8449,
92.4268)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F6EC
RGB	242, 246, 236
RGB Percent	95%, 96%, 93%
CMY	0.0510, 0.0353, 0.0745
CMYK	0.02, 0.00, 0.04, 0.04
HSL	84°, 36%, 95%
HSV	84°, 4%, 96%
XYZ	84.7140, 90.8449, 92.4268
YIQ	243.6640, 0.8260, -3.9580

Conversions

Conversions Part 2

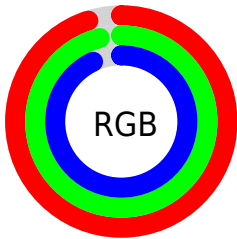
Format	Color
R _Y B	236, 246, 240
Decimal	15922924
CIE Lab	96.35, -3.07, 4.33
CIE LCh	96, 5.308, 125.322
Yxy	90.8449, 0.3161, 0.3390
Android (android.graphics.Color)	4294113004 (0xFFFF2F6EC)
YUV	243.6640, -3.7784, -1.4593
Hunter-Lab	95.3126, -8.1459, 9.2239

Details

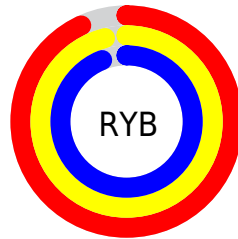
The XYZ color **84.7140, 90.8449, 92.4268** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.5688, 85.1725, 99.2816**, and the grayscale version is **85.7515, 90.2173, 98.2466**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9014, 50.5613, 50.4674** is the 20% darker color. If you saturate the color by 10%, you get **78.0945, 87.8200, 74.7270**, and if you desaturate by 10%, it is **91.0977, 93.8023, 107.9120**.

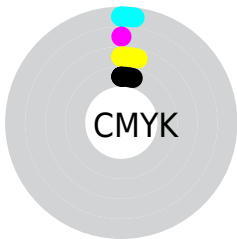
Distribution



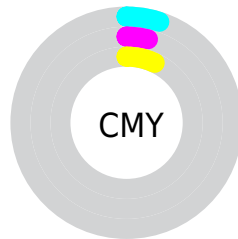
- Red (95%)
- Green (96%)
- Blue (93%)



- Red (93%)
- Yellow (96%)
- Blue (94%)



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



- Cyan (5%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7140, 90.8449, 92.4268 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 84.7140, 90.8449, 92.4268 by changing the saturation by 10% instead.

84.7140, 90.8449,
92.4268

84.7140, 90.8449,
92.4268

499.1792,
530.7755, 556.6664

63.9268, 68.6816,
69.4102

138.8896,
148.5114, 152.6696

46.8528, 50.4525,
50.5720

173.0087,
184.7835, 190.7329

33.1268, 35.7730,
35.4937

212.3025,
226.5272, 234.6488

22.3833, 24.2590,
23.7569

257.1364,
274.1271, 284.8358

14.2570, 15.5258,
14.9428

307.8756,
327.9675, 341.7126

8.3825, 9.1893,
8.6331

364.8856,

4.3945, 4.8648,

388.4327, 405.6975

4.4091

428.5316,
455.9072, 477.2093

■ 1.9277, 2.1682,
1.8524

■ 0.5928, 0.7026,
0.4622

■ 84.7140, 90.8449,
92.4268

■ 84.7140, 90.8449,
92.4268

■ 78.0945, 87.8200,
74.7270

■ 91.0977, 93.8023,
107.9120

■ 72.1240, 85.0725,
59.5212

■ 92.2476, 94.3951,
107.9659

■ 66.7808, 82.5962,
46.6987

■ 62.0390, 80.3806,
36.1382

■ 57.8704, 78.4138,
27.7077

■ 54.2442, 76.6834,
21.2617

■ 51.1261, 75.1751,
16.6360

■ 48.4768, 73.8729,
13.6405

■ 46.2486, 72.7573,
12.0430

Harmonies

Analogous

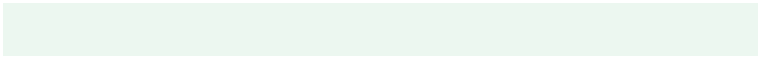
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0822, 90.8449, 91.0365



84.7140, 90.8449, 92.4268



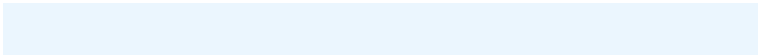
83.7908, 90.8449, 95.5581

Triad

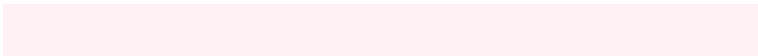
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7140, 90.8449, 92.4268



85.1652, 90.8449, 106.4896



89.2036, 90.8449, 98.1622

Complementary

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



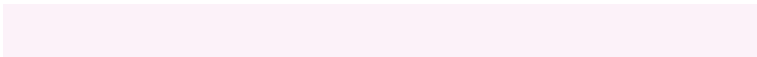
84.7140, 90.8449, 92.4268



82.5688, 85.1725, 99.2816

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.



88.9513, 90.8449, 102.3489



84.7140, 90.8449, 92.4268



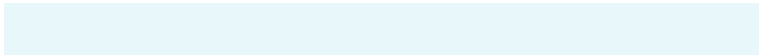
86.6090, 90.8449, 107.2347

Square

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



84.7140, 90.8449, 92.4268



84.0492, 90.8449, 103.6914



87.9975, 90.8449, 105.6992



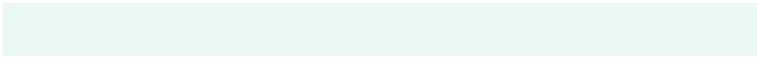
88.6829, 90.8449, 94.2870

Rectangle

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



84.7140, 90.8449, 92.4268



83.5461, 90.8449, 98.2530



87.9975, 90.8449, 105.6992



89.2064, 90.8449, 99.5793

Sweetspot

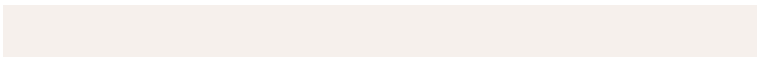
The Sweet Spot groups the original color and five complimentary colors.



84.7165, 90.8488, 92.4288



94.2676, 99.6438, 106.7345



84.3098, 87.9723, 91.8950



20.1854, 21.3316, 22.8684



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.



84.7165, 90.8488, 92.4288



91.2118, 98.2507, 98.3583



83.0239, 89.9762, 92.3496



17.7776, 19.2112, 19.0077



24.2263, 38.6019, 6.1741



2.2451, 3.4524, 0.5481

Inverse Universe

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



82.5688, 85.1725, 99.2816



88.3592, 90.7117, 107.4598



84.2895, 86.0596, 99.3621



17.1455, 17.5406, 21.0246



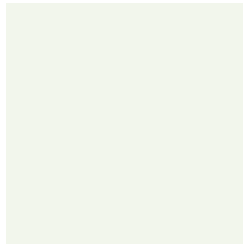
11.7427, 5.0279, 46.8896



1.1447, 0.5000, 4.1264

Previews

White Background



This preview shows how the XYZ color 84.7140, 90.8449, 92.4268 looks on a white background.

Color Contrast Check

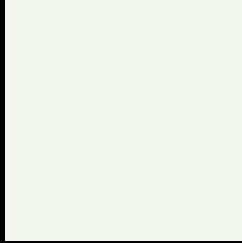
Large Text (above 18pt) WCAG AA × Fail

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 84.7140, 90.8449, 92.4268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

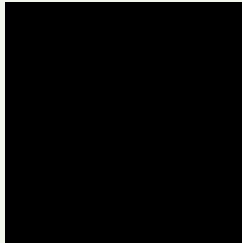
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

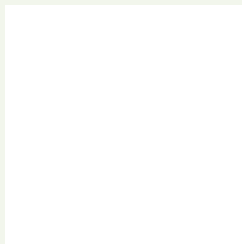
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 84.7140, 90.8449, 92.4268

Background



This preview shows how black text looks on a background with the XYZ color 84.7140, 90.8449, 92.4268.



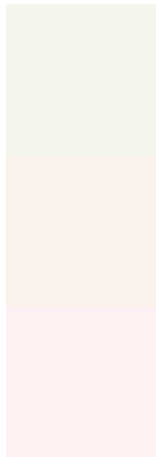
This preview shows how white text looks on a background with the XYZ color 84.7140, 90.8449,

92.468.

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

84.7140, 90.8449, 92.4268

Protanopia

86.8296, 90.6086, 91.5101

Deuteranopia

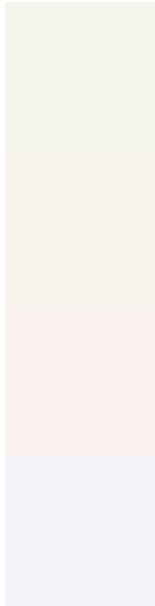
88.7223, 90.5814, 96.8122



Tritanopia

87.7568, 90.7337, 107.4958

Trichromacy



Original Color

84.7140, 90.8449, 92.4268

Protanomaly

86.0575, 90.6560, 91.5599

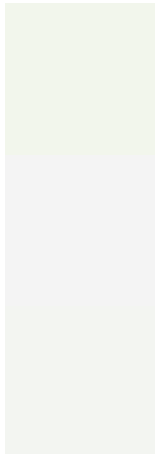
Deuteranomaly

87.2031, 90.7164, 95.3520

Tritanomaly

86.6022, 90.7118, 101.7516

Monochromacy



Original Color

84.7140, 90.8449, 92.4268

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.4917, 90.7104, 96.2220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.7140, 90.8449, 92.4268 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, 246, 236) looks like.

```
.text, #text, p{  
    color:rgb(242, 246, 236)  
}
```

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, 246, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 246, 236) }
```

Border

The CSS property to change the border of an element to XYZ 84.7140, 90.8449, 92.4268 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, 246, 236) }
```


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

```
.border{ border-color:rgb(242, 246, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 246, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 246, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 246, 236);  
box-shadow:4px 4px 4px 4px rgb(242, 246,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 84.7140, 90.8449, 92.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 246, 236) }
```

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

```
.background{ background-color: rgb(242,  
246, 236) }
```

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