

Converting Colors

XYZ(149.1781, 122.4672,
93.4516)

Have a look what the booklet for
XYZ(149.1781, 122.4672, 93.4516)
contains.

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Color

**XYZ(87.8434, 90.7048,
90.7198)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2EA
RGB	255, 242, 234
RGB Percent	100%, 95%, 92%
CMY	0.0000, 0.0510, 0.0823
CMYK	0.00, 0.05, 0.08, 0.00
HSL	23°, 100%, 96%
HSV	23°, 8%, 100%
XYZ	87.8434, 90.7048, 90.7198
YIQ	244.9750, 10.3160, 0.2680

Conversions

Conversions Part 2

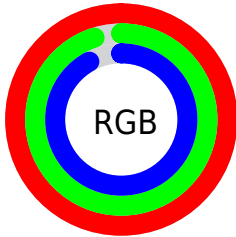
Format	Color
R _Y B	255, 247, 234
Decimal	16773866
CIE Lab	96.29, 3.03, 5.40
CIE LCh	96, 6.198, 60.695
Yxy	90.7048, 0.3262, 0.3369
Android (android.graphics.Color)	4294963946 (0xFFFFF2EA)
YUV	244.9750, -5.4107, 8.7919
Hunter-Lab	95.2391, -2.0296, 10.1908

Details

The XYZ color **87.8434, 90.7048, 90.7198** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.2416, 91.2315, 107.7245**, and the grayscale version is **86.8092, 91.3300, 99.4584**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.8835, 50.3379, 49.2592** is the 20% darker color. If you saturate the color by 10%, you get **79.9451, 80.3549, 71.2951**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

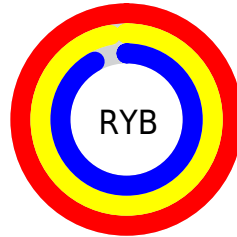
Distribution



Red (100%)

Green (95%)

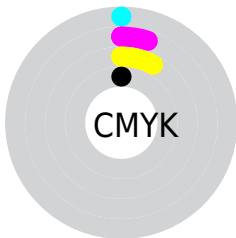
Blue (92%)



Red (100%)

Yellow (97%)

Blue (92%)

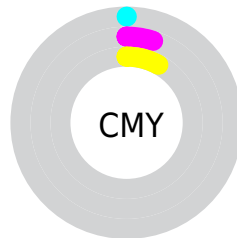


Cyan (0%)

Magenta (5%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.8434, 90.7048, 90.7198 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 87.8434, 90.7048, 90.7198 by changing the saturation by 10% instead.


 87.8434, 90.7048,
90.7198

 87.8434, 90.7048,
90.7198


509.3333,
530.3209, 551.0000

 66.5237, 68.5654,
68.0007


143.2328,
148.3170, 150.2821

 48.9670, 50.3578,
49.4316


178.0332,
184.5586, 187.9623

 34.8077, 35.6978,
34.5940


218.0579,
226.2696, 231.4668

 23.6806, 24.2009,
23.0692

263.6722,
273.8345, 281.2139

 15.2203, 15.4827,
14.4389

315.2416,
327.6377, 337.6222

 9.0615, 9.1589,
8.2843

373.1314,

 4.8387, 4.8449,

388.0636, 401.1103

4.1870

437.7068,
455.4965, 472.0967

■ 2.1867, 2.1566,
1.7285

■ 0.7357, 0.6962,
0.3802

■ 87.8434, 90.7048,
90.7198

■ 87.8434, 90.7048,
90.7198

■ 79.9451, 80.3549,
71.2951

95.0500, 100.0000,
108.9000

■ 72.9446, 70.9933,
54.6592

■ 66.8095, 62.5930,
40.6837

■ 61.5027, 55.1214,
29.2284

■ 56.9842, 48.5441,
20.1394

■ 53.2103, 42.8241,
13.2463

■ 50.1320, 37.9214,
8.3551

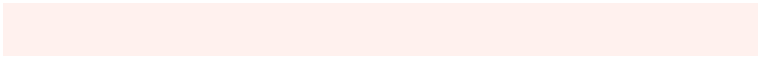
■ 47.6933, 33.7917,
5.2371

■ 45.8210, 30.3825,
3.5786

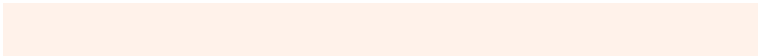
Harmonies

Analogous

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



89.0915, 90.7048, 93.9991



87.8434, 90.7048, 90.7198



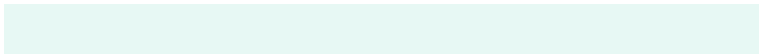
86.1720, 90.7048, 89.5783

Triad

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



87.8434, 90.7048, 90.7198



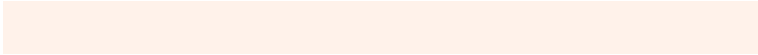
82.9428, 90.7048, 98.8772



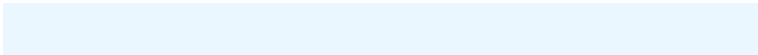
87.9138, 90.7048, 107.1447

Complementary

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



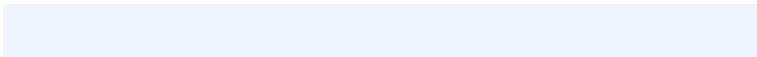
87.8434, 90.7048, 90.7198



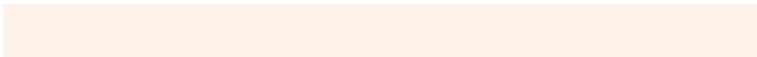
85.2416, 91.2315, 107.7245

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.



86.2524, 90.7048, 108.5531



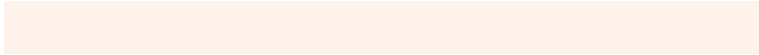
87.8434, 90.7048, 90.7198



83.3956, 90.7048, 103.6833

Square

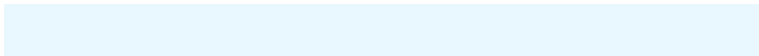
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8434, 90.7048, 90.7198



83.3563, 90.7048, 94.1920



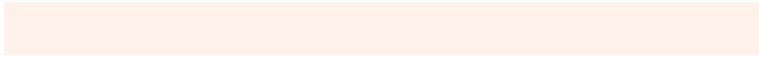
84.6013, 90.7048, 107.2662



89.1326, 90.7048, 103.4777

Rectangle

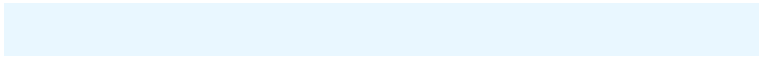
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8434, 90.7048, 90.7198



85.0471, 90.7048, 90.1523



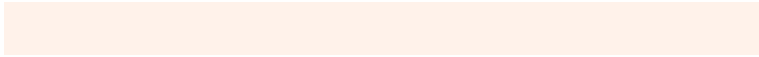
84.6013, 90.7048, 107.2662



87.3879, 90.7048, 107.9034

Sweetspot

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



87.8455, 90.7086, 90.7217



93.2411, 97.6788, 104.2998



87.4982, 86.8406, 100.3894



19.9764, 20.9317, 22.3726



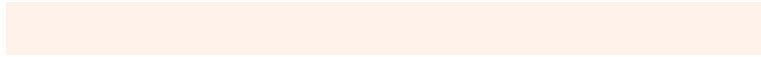
0.0000, 0.0000, 0.0000



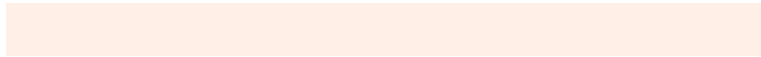
20.3446, 21.4041, 23.3091

Same Dimension

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



87.8455, 90.7086, 90.7217



86.3839, 88.8073, 87.0839



90.9648, 96.9472, 91.7615



18.5769, 19.1220, 18.8561



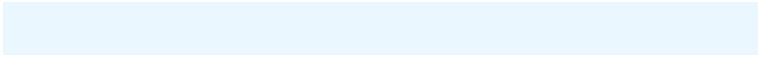
23.9250, 15.8613, 1.8005



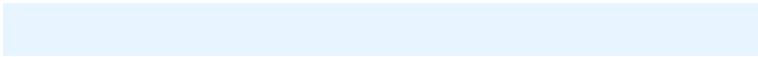
2.4310, 1.7474, 0.2092

Inverse Universe

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



85.2416, 91.2315, 107.7245



83.2599, 89.4344, 107.4820



82.2090, 85.1662, 106.7136



17.9392, 19.2500, 23.0201



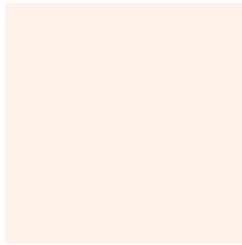
15.9508, 16.8111, 51.8388



1.6587, 1.8480, 5.0826

Previews

White Background



This preview shows how the XYZ color 87.8434, 90.7048, 90.7198 looks on a white background.

Color Contrast Check

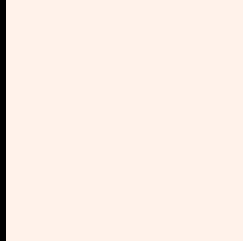
Large Text (above 18pt) WCAG AA × Fail

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 87.8434, 90.7048, 90.7198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

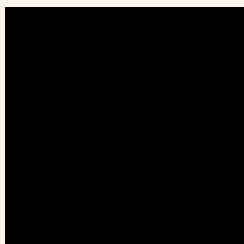
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

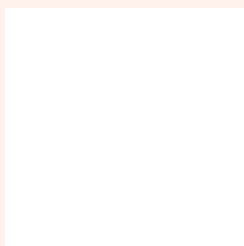
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.8434, 90.7048, 90.7198

Background



This preview shows how black text looks on a background with the XYZ color 87.8434, 90.7048, 90.7198.

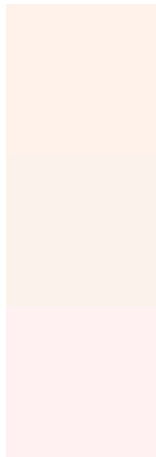


This preview shows how white text looks on a background with the XYZ color 87.8434, 90.7048,

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

87.8434, 90.7048, 90.7198

Protanopia

86.8296, 90.6086, 91.5101

Deuteranopia

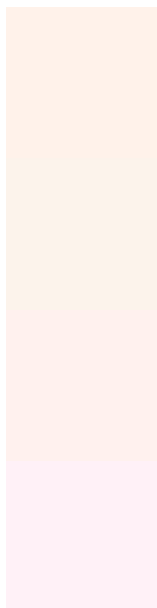
88.5725, 90.5215, 96.0232



Tritanopia

90.2895, 90.7359, 106.5210

Trichromacy



Original Color

87.8434, 90.7048, 90.7198

Protanomaly

87.1909, 90.7948, 91.5270

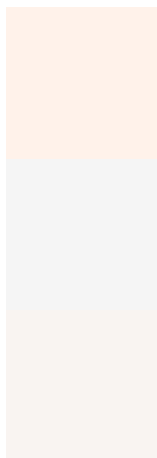
Deuteranomaly

88.1279, 90.3436, 93.6821

Tritanomaly

89.4838, 90.8860, 100.8221

Monochromacy



Original Color

87.8434, 90.7048, 90.7198

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

87.2948, 91.1920, 96.2200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.8434, 90.7048, 90.7198 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(255, 242, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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(255, 242, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 234) }
```

Border

The CSS property to change the border of an element to XYZ 87.8434, 90.7048, 90.7198 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(255, 242, 234) }
```


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

```
.border{ border-color:rgb(255, 242, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 87.8434, 90.7048, 90.7198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 234) }
```

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

```
.background{ background-color: rgb(255,  
242, 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](#).

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