

Converting Colors

XYZ(112.5905, 100.0000,
87.0419)

Have a look what the booklet for
XYZ(112.5905, 100.0000, 87.0419)
contains.

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Color

**XYZ(84.6664, 85.7071,
85.4795)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAE4
RGB	255, 234, 228
RGB Percent	100%, 92%, 89%
CMY	0.0000, 0.0823, 0.1059
CMYK	0.00, 0.08, 0.11, 0.00
HSL	13°, 100%, 95%
HSV	13°, 11%, 100%
XYZ	84.6664, 85.7071, 85.4795
YIQ	239.5950, 14.4420, 2.5860

Conversions

Conversions Part 2

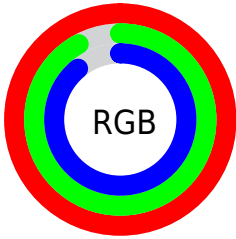
Format	Color
R _Y B	255, 236, 228
Decimal	16771812
CIE Lab	94.19, 6.15, 5.48
CIE LCh	94, 8.234, 41.700
Yxy	85.7071, 0.3309, 0.3350
Android (android.graphics.Color)	4294961892 (0xFFFFEAE4)
YUV	239.5950, -5.7163, 13.5102
Hunter-Lab	92.5781, 1.2337, 10.0609

Details

The XYZ color **84.6664, 85.7071, 85.4795** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.9197, 91.4628, 107.8388**, and the grayscale version is **82.5450, 86.8438, 94.5729**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.7519, 46.8637, 46.1167** is the 20% darker color. If you saturate the color by 10%, you get **76.0517, 73.7311, 66.4122**, and if you desaturate by 10%, it is **94.4391, 99.1627, 107.5109**.

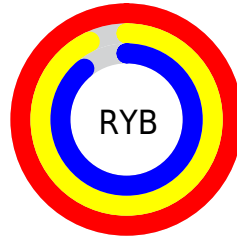
Distribution



Red (100%)

Green (92%)

Blue (89%)



Red (100%)

Yellow (93%)

Blue (89%)

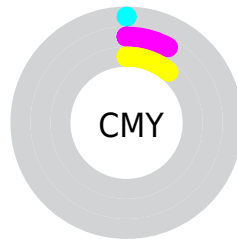


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.6664, 85.7071, 85.4795 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 84.6664, 85.7071, 85.4795 by changing the saturation by 10% instead.


 84.6664, 85.7071,
85.4795

 84.6664, 85.7071,
85.4795


499.0239,
513.9649, 533.3993

 63.8873, 64.4258,
63.6852

138.8234,
141.3607, 142.9230

 46.8208, 46.9956,
45.9512


172.9321,
176.5017, 179.4094

 33.1013, 33.0322,
31.8589


212.2147,
217.0315, 221.6301

 22.3637, 22.1511,
20.9899

257.0366,
263.3344, 270.0038

 14.2425, 13.9680,
12.9254

307.7631,
315.7948, 324.9491

 8.3723, 8.0984,
7.2471

364.7595,

 4.3879, 4.1580,

374.7971, 386.8844

3.5363

428.3914,
440.7257, 456.2283

■ 1.9238, 1.7623,
1.3746

■ 0.5906, 0.4635,
0.1218

■ 84.6664, 85.7071,
85.4795

■ 84.6664, 85.7071,
85.4795

■ 76.0517, 73.7311,
66.4122

94.4391, 99.1627,
107.5109

■ 68.5455, 63.1734,
50.1768

95.0500, 100.0000,
108.9000

■ 62.1035, 53.9841,
36.6390

■ 56.6760, 46.1065,
25.6515

■ 52.2094, 39.4795,
17.0529

■ 48.6447, 34.0372,
10.6629

■ 45.9157, 29.7075,
6.2756

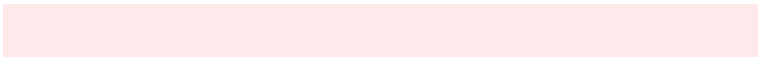
■ 43.9466, 26.4093,
3.6455

■ 42.6890, 24.1579,
2.4130

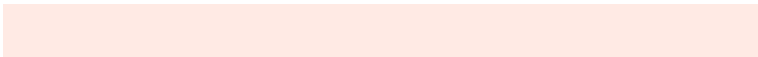
Harmonies

Analogous

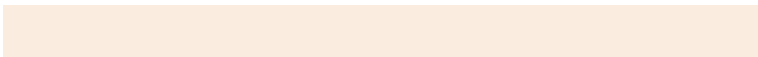
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6815, 85.7071, 90.8816



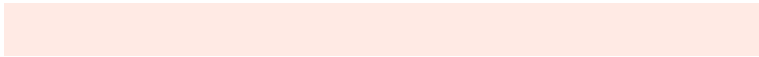
84.6664, 85.7071, 85.4795



82.7996, 85.7071, 82.2682

Triad

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



84.6664, 85.7071, 85.4795



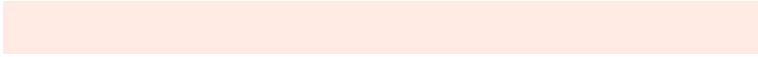
77.5055, 85.7071, 89.5622



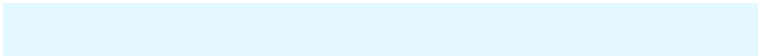
82.3242, 85.7071, 105.7131

Complementary

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



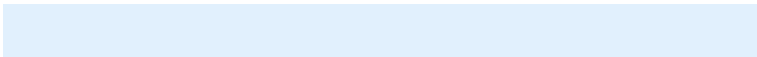
84.6664, 85.7071, 85.4795



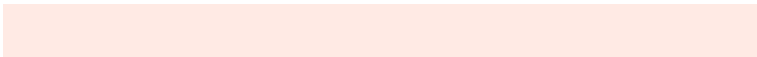
83.9197, 91.4628, 107.8388

Split Complementary

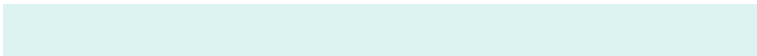
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1390, 85.7071, 105.3207



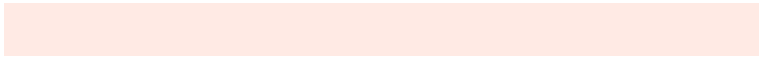
84.6664, 85.7071, 85.4795



77.3834, 85.7071, 95.8026

Square

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



84.6664, 85.7071, 85.4795



78.6761, 85.7071, 84.5511



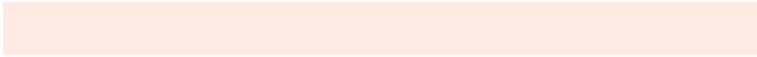
78.3395, 85.7071, 101.6268



84.3130, 85.7071, 102.6761

Rectangle

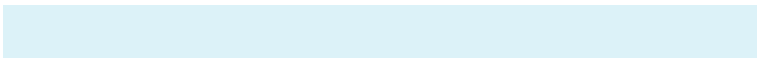
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



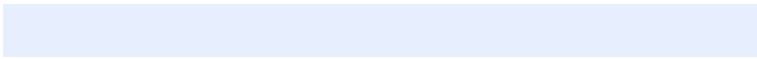
84.6664, 85.7071, 85.4795



81.3364, 85.7071, 81.7102



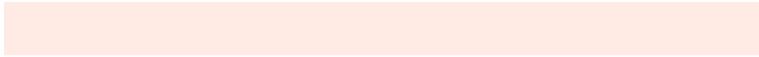
78.3395, 85.7071, 101.6268



81.5877, 85.7071, 105.9815

Sweetspot

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



84.6684, 85.7107, 85.4813



91.9741, 95.7802, 101.9190



86.1062, 83.5967, 101.3430



19.5142, 20.2644, 21.4255



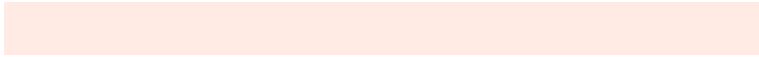
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

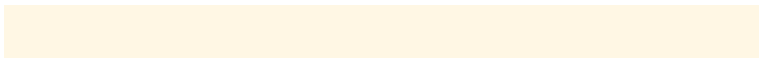
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6684, 85.7107, 85.4813



82.4857, 82.6878, 80.6148



88.6119, 93.5976, 86.7958



18.3369, 18.6421, 18.7761



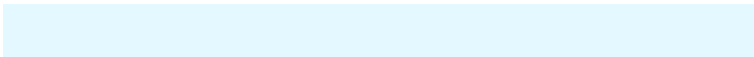
22.3958, 12.8029, 1.2908



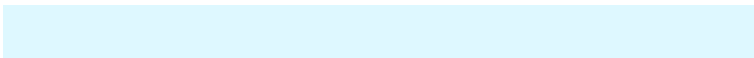
2.2576, 1.4005, 0.1513

Inverse Universe

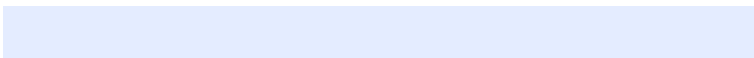
The Inverse Universe completely reimagines the original color for something new.



83.9197, 91.4628, 107.8388



81.5812, 89.6318, 107.6086



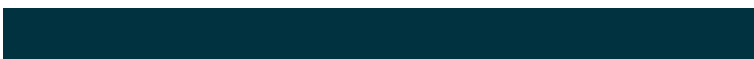
79.9406, 83.5045, 106.5124



18.1920, 19.7557, 23.1044



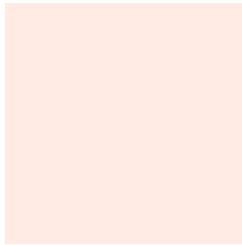
20.1340, 25.1775, 53.2332



2.0407, 2.6121, 5.2099

Previews

White Background



This preview shows how the XYZ color 84.6664, 85.7071, 85.4795 looks on a white background.

Color Contrast Check

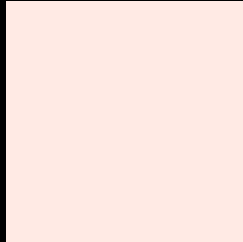
Large Text (above 18pt) WCAG AA × Fail

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 84.6664, 85.7071, 85.4795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

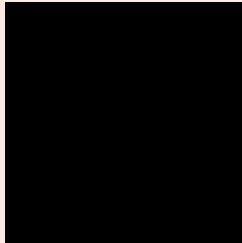
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.6664, 85.7071, 85.4795

Background



This preview shows how black text looks on a background with the XYZ color 84.6664, 85.7071, 85.4795.



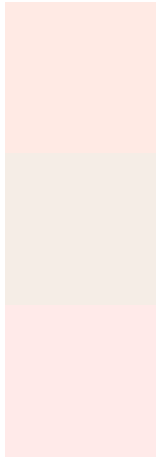
This preview shows how white text looks on a background with the XYZ color 84.6664, 85.7071,

85.4795.

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

84.6664, 85.7071, 85.4795

Protanopia

82.2233, 85.6940, 87.0699

Deuteranopia

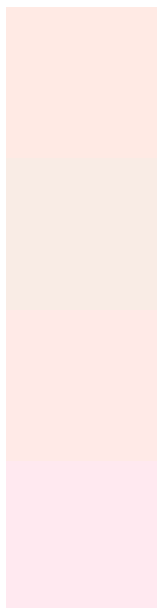
85.3708, 85.9888, 89.1888



Tritanopia

86.8851, 85.6886, 99.9559

Trichromacy



Original Color

84.6664, 85.7071, 85.4795

Protanomaly

83.2052, 85.7878, 86.3021

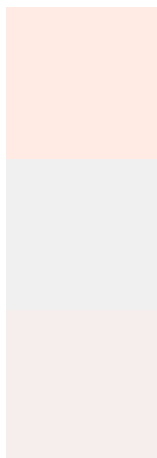
Deuteranomaly

85.0866, 85.8752, 87.6923

Tritanomaly

86.1071, 85.8291, 94.4664

Monochromacy



Original Color

84.6664, 85.7071, 85.4795

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.3710, 86.6177, 91.6816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.6664, 85.7071, 85.4795 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, 234, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 228)  
}
```

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, 234, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 228) }
```

Border

The CSS property to change the border of an element to XYZ 84.6664, 85.7071, 85.4795 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, 234, 228) }
```


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

```
.border{ border-color:rgb(255, 234, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 84.6664, 85.7071, 85.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 228) }
```

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

```
.background{ background-color: rgb(255,  
234, 228) }
```

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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