

Converting Colors

XYZ(84.0203, 85.5094, 81.8894)

Have a look what the booklet for
XYZ(84.0203, 85.5094, 81.8894)
contains.

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Color

**XYZ(83.9821, 85.4334,
81.8760)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEADF
RGB	255, 234, 223
RGB Percent	100%, 92%, 87%
CMY	0.0000, 0.0823, 0.1255
CMYK	0.00, 0.08, 0.13, 0.00
HSL	21°, 100%, 94%
HSV	21°, 13%, 100%
XYZ	83.9821, 85.4334, 81.8760
YIQ	239.0250, 16.0470, 1.0310

Conversions

Conversions Part 2

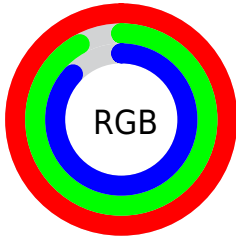
Format	Color
R _Y B	255, 240, 223
Decimal	16771807
CIE Lab	94.07, 5.35, 7.90
CIE LCh	94, 9.547, 55.889
Yxy	85.4334, 0.3342, 0.3400
Android (android.graphics.Color)	4294961887 (0xFFFFEADF)
YUV	239.0250, -7.9003, 14.0101
Hunter-Lab	92.4302, 0.4323, 12.1812

Details

The XYZ color **83.9821, 85.4334, 81.8760** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.8313, 87.6069, 107.2573**, and the grayscale version is **82.1162, 86.3926, 94.0816**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2770, 46.6737, 43.6157** is the 20% darker color. If you saturate the color by 10%, you get **76.2597, 75.0824, 63.5983**, and if you desaturate by 10%, it is **92.6762, 96.8984, 103.0343**.

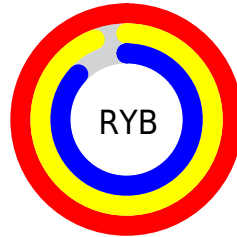
Distribution



Red (100%)

Green (92%)

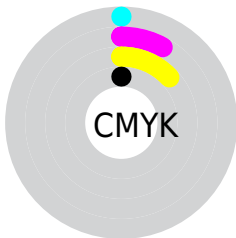
Blue (87%)



Red (100%)

Yellow (94%)

Blue (87%)

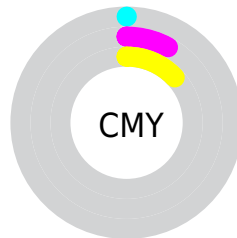


Cyan (0%)

Magenta (8%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9821, 85.4334, 81.8760 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 83.9821, 85.4334, 81.8760 by changing the saturation by 10% instead.


 83.9821, 85.4334,
81.8760

 83.9821, 85.4334,
81.8760


496.7884,
513.0611, 521.1054

 63.3203, 64.1995,
60.7281


137.8715,
140.9785, 137.8352

 46.3600, 46.8123,
43.5767


171.8299,
176.0586, 173.4836

 32.7358, 32.8873,
30.0031

210.9511,
216.5229, 214.8026

 22.0824, 22.0401,
19.5889

255.6006,
262.7558, 262.2108

 14.0344, 13.8864,
11.9154

306.1438,
315.1416, 316.1266

 8.2265, 8.0417,
6.5643

362.9459,

 4.2932, 4.1216,

374.0649, 376.9686

3.1168

426.3723,
439.9099, 445.1553

■ 1.8693, 1.7418,
1.1546

■ 0.5589, 0.4505,
0.0000

■ 83.9821, 85.4334,
81.8760

■ 83.9821, 85.4334,
81.8760

■ 76.2597, 75.0824,
63.5983

■ 92.6762, 96.8984,
103.0343

■ 69.4675, 65.8004,
48.0700

95.0500, 100.0000,
108.9000

■ 63.5696, 57.5553,
35.1580

■ 58.5256, 50.3092,
24.7157

■ 54.2915, 44.0215,
16.5820

■ 50.8189, 38.6488,
10.5762

■ 48.0531, 34.1436,
6.4903

■ 45.9305, 30.4529,
4.0734

■ 44.7049, 28.1898,
3.0850

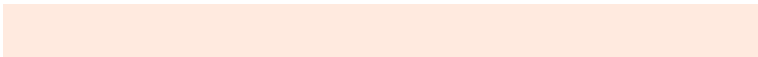
Harmonies

Analogous

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



85.6923, 85.4334, 87.0261



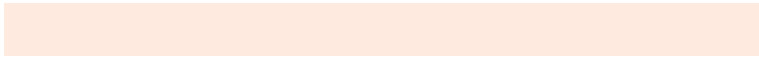
83.9821, 85.4334, 81.8760



81.5538, 85.4334, 79.7102

Triad

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



83.9821, 85.4334, 81.8760



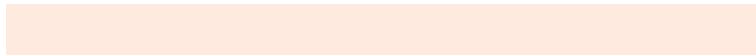
76.4099, 85.4334, 92.0197



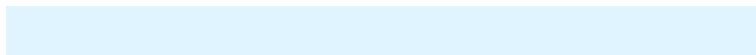
83.3612, 85.4334, 106.2330

Complementary

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



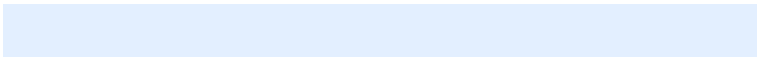
83.9821, 85.4334, 81.8760



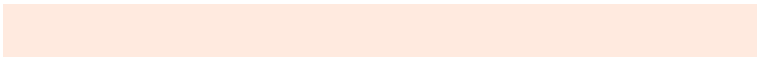
80.8313, 87.6069, 107.2573

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.



80.8510, 85.4334, 107.7400



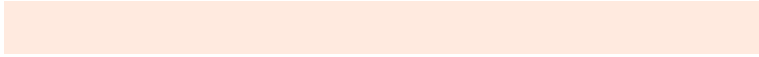
83.9821, 85.4334, 81.8760



76.8711, 85.4334, 99.2881

Square

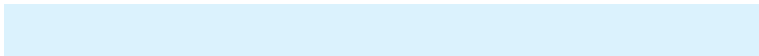
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9821, 85.4334, 81.8760



77.2104, 85.4334, 85.3693



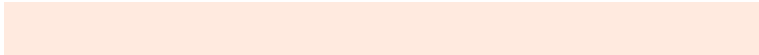
78.4837, 85.4334, 105.1372



85.3286, 85.4334, 101.1198

Rectangle

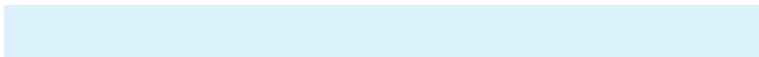
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9821, 85.4334, 81.8760



79.8672, 85.4334, 80.1624



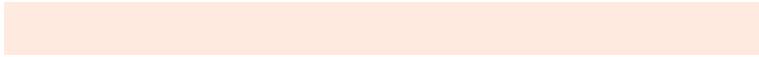
78.4837, 85.4334, 105.1372



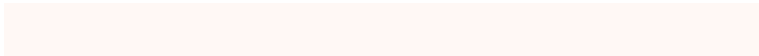
82.5514, 85.4334, 107.1892

Sweetspot

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



83.9841, 85.4370, 81.8778



91.3530, 95.1646, 99.7800



84.0080, 80.5882, 96.9814



19.4083, 20.1789, 21.0014



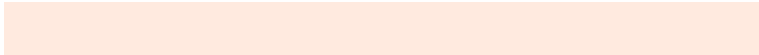
0.0000, 0.0000, 0.0000



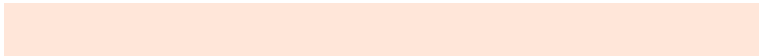
20.3446, 21.4041, 23.3091

Same Dimension

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



83.9841, 85.4370, 81.8778



82.0022, 82.7973, 77.1348



88.6417, 94.7522, 83.4303



18.5201, 19.0083, 18.8372



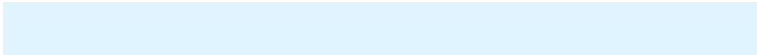
23.4838, 14.9788, 1.6535



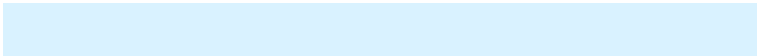
2.3836, 1.6526, 0.1933

Inverse Universe

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



80.8313, 87.6069, 107.2573



78.2971, 85.3457, 106.9544



76.3175, 78.5794, 105.7527



17.9981, 19.3678, 23.0397



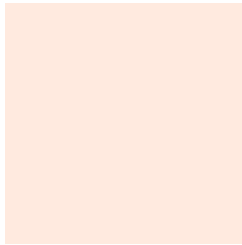
16.8257, 18.5609, 52.1304



1.7401, 2.0109, 5.1097

Previews

White Background



This preview shows how the XYZ color 83.9821, 85.4334, 81.8760 looks on a white background.

Color Contrast Check

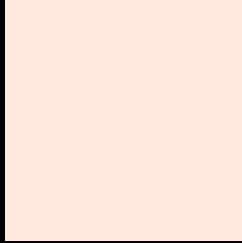
Large Text (above 18pt) WCAG AA × Fail

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 83.9821, 85.4334, 81.8760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

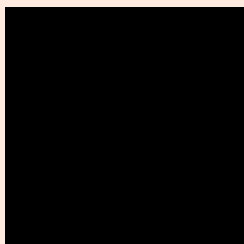
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

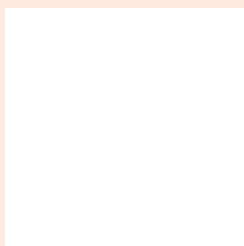
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.9821, 85.4334, 81.8760

Background



This preview shows how black text looks on a background with the XYZ color 83.9821, 85.4334, 81.8760.



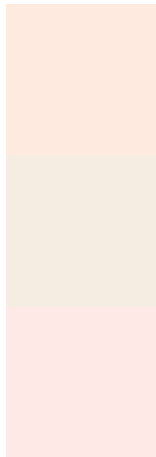
This preview shows how white text looks on a background with the XYZ color 83.9821, 85.4334,

81.8760.

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

83.9821, 85.4334, 81.8760

Protanopia

81.5310, 85.4171, 83.4242

Deuteranopia

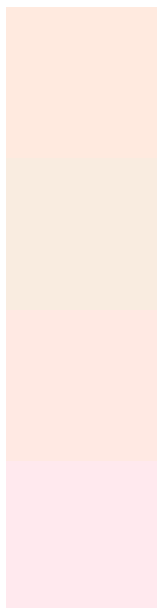
84.6618, 85.2510, 86.8558



Tritanopia

86.8851, 85.6886, 99.9559

Trichromacy



Original Color

83.9821, 85.4334, 81.8760

Protanomaly

82.5169, 85.5125, 82.6775

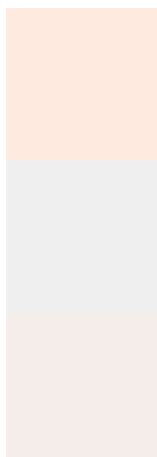
Deuteranomaly

84.2440, 85.0839, 84.6557

Tritanomaly

85.8115, 85.7109, 92.9100

Monochromacy



Original Color

83.9821, 85.4334, 81.8760

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.6484, 85.8640, 89.3082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9821, 85.4334, 81.8760 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, 223) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 223) }
```

Border

The CSS property to change the border of an element to XYZ 83.9821, 85.4334, 81.8760 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, 223) }
```


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

```
.border{ border-color:rgb(255, 234, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 223);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9821, 85.4334, 81.8760 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, 223) }
```

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

```
.background{ background-color: rgb(255,  
234, 223) }
```

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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