

Converting Colors

XYZ(87.0786, 87.4506, 81.0051)

Have a look what the booklet for
XYZ(87.0786, 87.4506, 81.0051)
contains.

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Color

**XYZ(83.9995, 85.8971,
80.5592)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBDD
RGB	255, 235, 221
RGB Percent	100%, 92%, 87%
CMY	0.0000, 0.0784, 0.1333
CMYK	0.00, 0.08, 0.13, 0.00
HSL	25°, 100%, 93%
HSV	25°, 13%, 100%
XYZ	83.9995, 85.8971, 80.5592
YIQ	239.3840, 16.4140, -0.1140

Conversions

Conversions Part 2

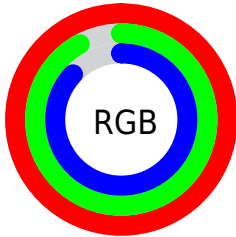
Format	Color
R _Y B	255, 245, 221
Decimal	16772061
CIE Lab	94.27, 4.53, 9.23
CIE LCh	94, 10.280, 63.851
Yxy	85.8971, 0.3354, 0.3430
Android (android.graphics.Color)	4294962141 (0xFFFFE8DD)
YUV	239.3840, -9.0633, 13.6952
Hunter-Lab	92.6807, -0.4109, 13.3409

Details

The XYZ color **83.9995, 85.8971, 80.5592** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.3234, 85.5005, 106.9302**, and the grayscale version is **82.4045, 86.6959, 94.4119**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2917, 46.9991, 42.7083** is the 20% darker color. If you saturate the color by 10%, you get **76.7430, 76.4145, 62.6324**, and if you desaturate by 10%, it is **92.1380, 96.3173, 101.3280**.

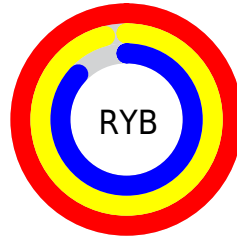
Distribution



Red (100%)

Green (92%)

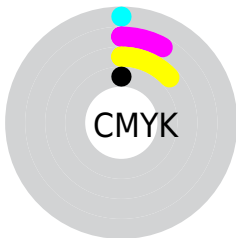
Blue (87%)



Red (100%)

Yellow (96%)

Blue (87%)

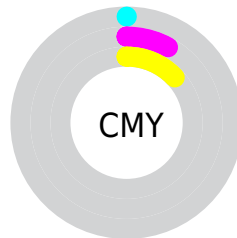


Cyan (0%)

Magenta (8%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (8%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9995, 85.8971, 80.5592 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 83.9995, 85.8971, 80.5592 by changing the saturation by 10% instead.


 83.9995, 85.8971,
80.5592

 83.9995, 85.8971,
80.5592


496.8453,
514.5919, 516.5718

 63.3347, 64.5829,
59.6498


137.8957,
141.6259, 135.9701

 46.3717, 47.1229,
42.7129


171.8579,
176.8092, 171.3087

 32.7451, 33.1329,
29.3302


210.9833,
217.3844, 212.2941

 22.0896, 22.2282,
19.0830

255.6372,
263.7359, 259.3448

 14.0397, 14.0247,
11.5529

306.1850,
316.2479, 312.8794

 8.2302, 8.1378,
6.3212

362.9920,

 4.2956, 4.1833,

375.3050, 373.3164

2.9694

426.4237,
441.2915, 441.0743

■ 1.8707, 1.7766,
1.0790

■ 0.5597, 0.4725,
0.0000

■ 83.9995, 85.8971,
80.5592

■ 83.9995, 85.8971,
80.5592

■ 76.7430, 76.4145,
62.6324

■ 92.1380, 96.3173,
101.3280

■ 70.3305, 67.8315,
47.4171

95.0500, 100.0000,
108.9000

■ 64.7297, 60.1235,
34.7805

■ 59.9040, 53.2602,
24.5763

■ 55.8132, 47.2095,
16.6435

■ 52.4132, 41.9370,
10.8013

■ 49.6539, 37.4047,
6.8407

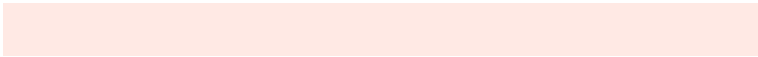
■ 47.4761, 33.5702,
4.5078

■ 46.2954, 31.3709,
3.6151

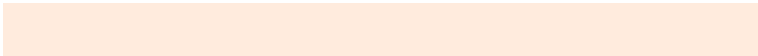
Harmonies

Analogous

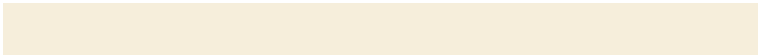
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.1215, 85.8971, 85.3284



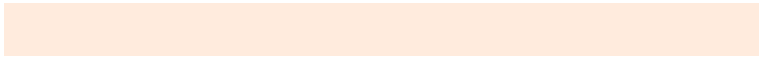
83.9995, 85.8971, 80.5592



81.2873, 85.8971, 79.1924

Triad

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



83.9995, 85.8971, 80.5592



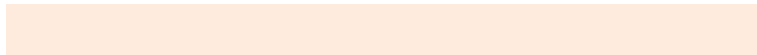
76.4705, 85.8971, 94.5500



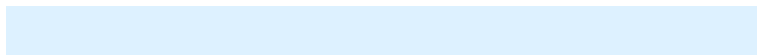
84.6291, 85.8971, 106.7011

Complementary

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



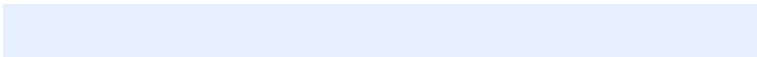
83.9995, 85.8971, 80.5592



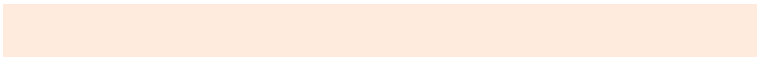
79.3234, 85.5005, 106.9302

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.



81.9989, 85.8971, 109.4955



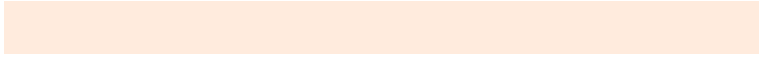
83.9995, 85.8971, 80.5592



77.3218, 85.8971, 102.2353

Square

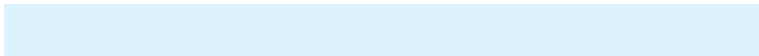
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9995, 85.8971, 80.5592



76.9792, 85.8971, 86.9994



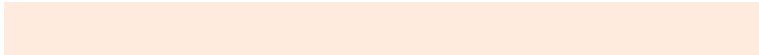
79.3302, 85.8971, 107.8175



86.4907, 85.8971, 100.3739

Rectangle

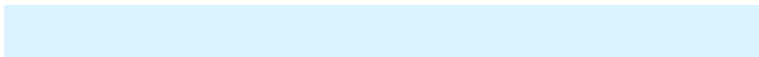
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9995, 85.8971, 80.5592



79.5193, 85.8971, 80.3267



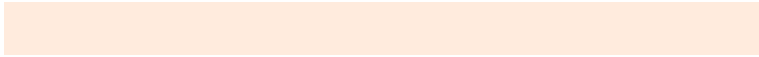
79.3302, 85.8971, 107.8175



83.8034, 85.8971, 108.1004

Sweetspot

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



84.0015, 85.9007, 80.5610



91.5671, 95.5927, 99.8513



83.0340, 79.3487, 94.4727



19.4624, 20.2870, 21.0194



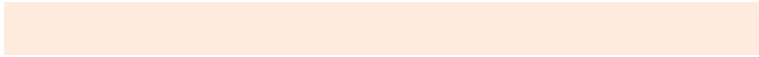
0.0000, 0.0000, 0.0000



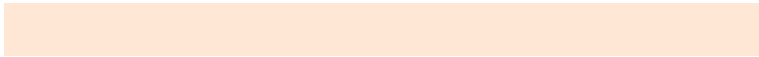
20.3446, 21.4041, 23.3091

Same Dimension

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



84.0015, 85.9007, 80.5610



81.9808, 83.2805, 75.5062



88.9764, 95.8505, 82.2193



18.6239, 19.2160, 18.8718



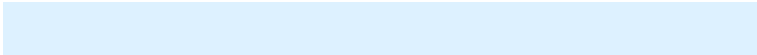
24.3288, 16.6689, 1.9351



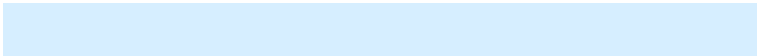
2.4733, 1.8320, 0.2232

Inverse Universe

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



79.3234, 85.5005, 106.9302



76.4710, 82.8083, 106.5609



74.6331, 76.1199, 105.3668



17.8909, 19.1534, 23.0040



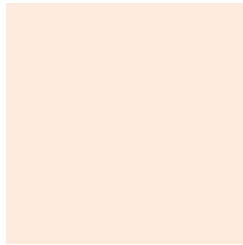
15.2779, 15.4653, 51.6145



1.5952, 1.7212, 5.0614

Previews

White Background



This preview shows how the XYZ color 83.9995, 85.8971, 80.5592 looks on a white background.

Color Contrast Check

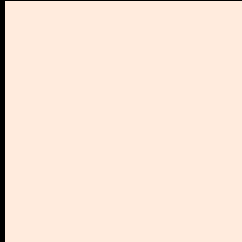
Large Text (above 18pt) WCAG AA × Fail

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 83.9995, 85.8971, 80.5592 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 83.9995, 85.8971, 80.5592

Background



This preview shows how black text looks on a background with the XYZ color 83.9995, 85.8971, 80.5592.



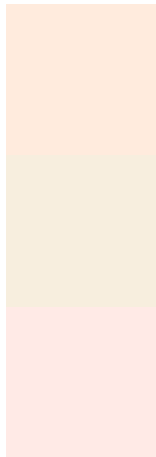
This preview shows how white text looks on a background with the XYZ color 83.9995, 85.8971,

80.5592.

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

83.9995, 85.8971, 80.5592

Protanopia

82.1171, 86.1972, 81.4169

Deuteranopia

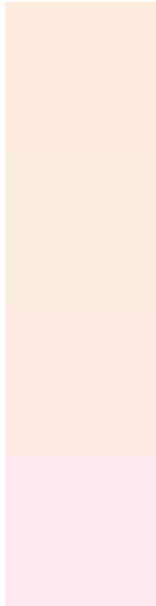
84.9457, 85.8188, 86.9505



Tritanopia

86.8851, 85.6886, 99.9559

Trichromacy



Original Color

83.9995, 85.8971, 80.5592

Protanomaly

82.8933, 86.1663, 81.3701

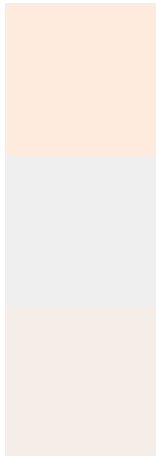
Deuteranomaly

84.5279, 85.6517, 84.7504

Tritanomaly

85.8115, 85.7109, 92.9100

Monochromacy



Original Color

83.9995, 85.8971, 80.5592

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.7962, 86.3877, 88.6546

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9995, 85.8971, 80.5592 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, 235, 221) looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 221)  
}
```

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, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 221) }
```

Border

The CSS property to change the border of an element to XYZ 83.9995, 85.8971, 80.5592 is called "border". The border property can be set on classes, ids or directly on the HTML element.

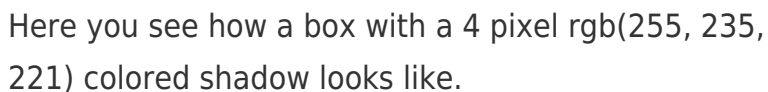
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 235, 221) }
```


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

```
.border{ border-color:rgb(255, 235, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 235, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9995, 85.8971, 80.5592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 221) }
```

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

```
.background{ background-color: rgb(255,  
235, 221) }
```

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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