

Converting Colors

XYZ(157.1956, 121.7640,
89.5568)

Have a look what the booklet for
XYZ(157.1956, 121.7640, 89.5568)
contains.

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Color

**XYZ(83.9588, 84.0690,
85.9306)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7E5
RGB	255, 231, 229
RGB Percent	100%, 91%, 90%
CMY	0.0000, 0.0941, 0.1020
CMYK	0.00, 0.09, 0.10, 0.00
HSL	5°, 100%, 95%
HSV	5°, 10%, 100%
XYZ	83.9588, 84.0690, 85.9306
YIQ	237.9480, 14.9460, 4.4660

Conversions

Conversions Part 2

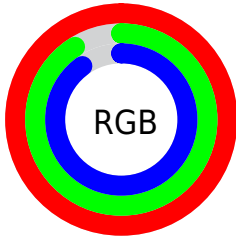
Format	Color
R _Y B	255, 231, 229
Decimal	16771045
CIE Lab	93.48, 7.85, 3.94
CIE LCh	93, 8.780, 26.627
Yxy	84.0690, 0.3306, 0.3310
Android (android.graphics.Color)	4294961125 (0xFFFFE7E5)
YUV	237.9480, -4.4114, 14.9546
Hunter-Lab	91.6891, 2.9946, 8.6161

Details

The XYZ color **83.9588, 84.0690, 85.9306** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.4875, 94.1260, 108.2702**, and the grayscale version is **81.2545, 85.4861, 93.0943**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2587, 45.7217, 46.4315** is the 20% darker color. If you saturate the color by 10%, you get **74.5068, 70.4505, 66.4853**, and if you desaturate by 10%, it is **94.8233, 99.6749, 108.4291**.

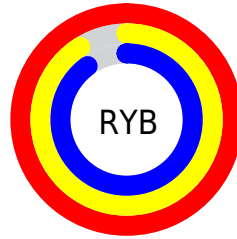
Distribution



Red (100%)

Green (91%)

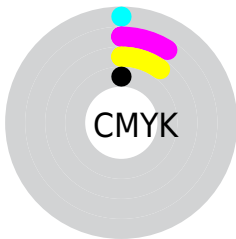
Blue (90%)



Red (100%)

Yellow (91%)

Blue (90%)

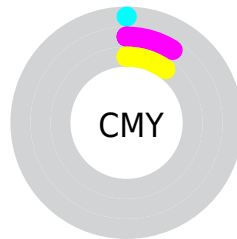


Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9588, 84.0690, 85.9306 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 83.9588, 84.0690, 85.9306 by changing the saturation by 10% instead.


 83.9588, 84.0690,
85.9306

 83.9588, 84.0690,
85.9306


496.7121,
508.5423, 534.9270

 63.3010, 63.0724,
64.0560


137.8391,
139.0717, 143.5583

 46.3443, 45.8998,
46.2496


171.7923,
173.8466, 180.1485

 32.7234, 32.1667,
32.0927


210.9081,
213.9830, 222.4811

 22.0729, 21.4889,
21.1669

255.5517,
259.8654, 270.9744

 14.0273, 13.4818,
13.0536

306.0886,
311.8781, 326.0472

 8.2215, 7.7612,
7.3343

362.8840,

 4.2900, 3.9425,

370.4056, 388.1178

3.5905

426.3034,
435.8322, 457.6049

■ 1.8675, 1.6415,
1.4035

■ 0.5578, 0.3853,
0.1444

■ 83.9588, 84.0690,
85.9306

■ 83.9588, 84.0690,
85.9306

■ 74.5068, 70.4505,
66.4853

94.8233, 99.6749,
108.4291

■ 66.4037, 58.7297,
49.9565

95.0500, 100.0000,
108.9000

■ 59.5897, 48.8255,
36.2052

■ 53.9981, 40.6468,
25.0789

■ 49.5563, 34.0949,
16.4102

■ 46.1841, 29.0608,
10.0129

■ 43.7905, 25.4225,
5.6737

■ 42.2697, 23.0387,
3.1388

■ 41.4842, 21.7484,
2.0114

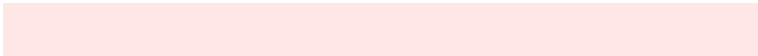
Harmonies

Analogous

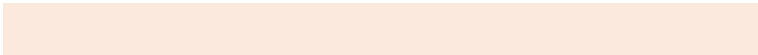
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4406, 84.0690, 92.2904



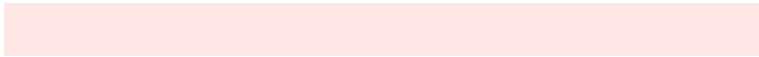
83.9588, 84.0690, 85.9306



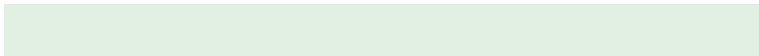
82.3837, 84.0690, 81.2787

Triad

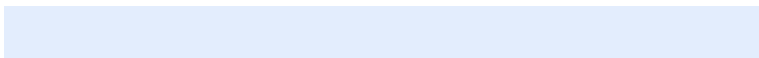
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9588, 84.0690, 85.9306



76.2380, 84.0690, 84.6887



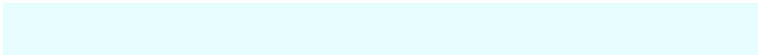
79.6429, 84.0690, 104.8893

Complementary

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



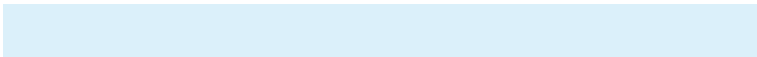
83.9588, 84.0690, 85.9306



85.4875, 94.1260, 108.2702

Split Complementary

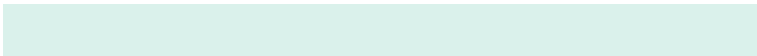
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4767, 84.0690, 102.6237



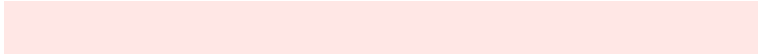
83.9588, 84.0690, 85.9306



75.5349, 84.0690, 90.7874

Square

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



83.9588, 84.0690, 85.9306



77.9228, 84.0690, 80.5864



75.9840, 84.0690, 97.3818



81.9207, 84.0690, 103.4369

Rectangle

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



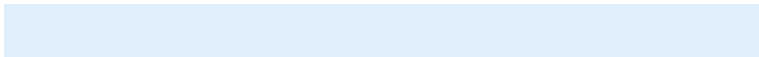
83.9588, 84.0690, 85.9306



80.9411, 84.0690, 79.6637



75.9840, 84.0690, 97.3818



78.8779, 84.0690, 104.5347

Sweetspot

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



83.9607, 84.0725, 85.9324



91.6315, 95.0948, 101.8048



87.0319, 84.4084, 104.8569



19.4221, 20.0803, 21.3948



0.0000, 0.0000, 0.0000



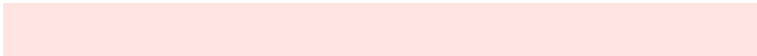
20.3446, 21.4041, 23.3091

Same Dimension

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



83.9607, 84.0725, 85.9324



82.1522, 81.4701, 82.2012



87.6538, 91.4587, 87.1634



18.1219, 18.2119, 18.7045



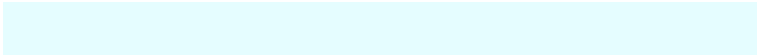
21.7160, 11.4433, 1.0642



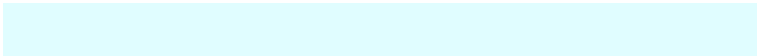
2.1515, 1.1883, 0.1160

Inverse Universe

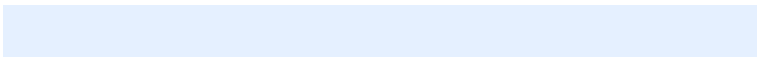
The Inverse Universe completely reimagines the original color for something new.



85.4875, 94.1260, 108.2702



83.9266, 93.1552, 108.1651



81.6026, 86.3562, 106.9752



18.4280, 20.2276, 23.1830



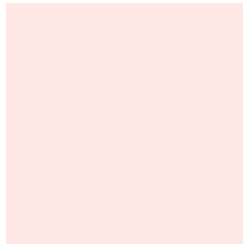
25.0560, 35.0216, 54.8738



2.4738, 3.4783, 5.3543

Previews

White Background



This preview shows how the XYZ color 83.9588, 84.0690, 85.9306 looks on a white background.

Color Contrast Check

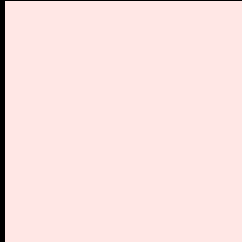
Large Text (above 18pt) WCAG AA × Fail

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 83.9588, 84.0690, 85.9306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

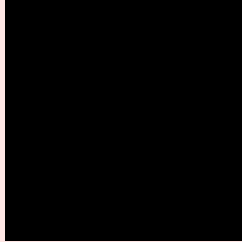
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

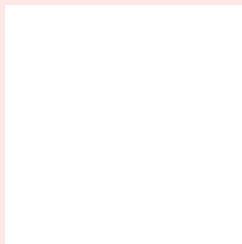
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 83.9588, 84.0690, 85.9306

Background



This preview shows how black text looks on a background with the XYZ color 83.9588, 84.0690, 85.9306.



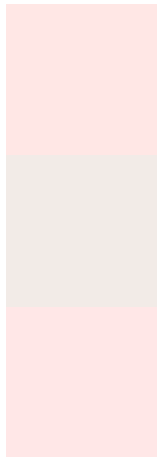
This preview shows how white text looks on a background with the XYZ color 83.9588, 84.0690,

85.9306.

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

83.9588, 84.0690, 85.9306

Protanopia

80.7501, 84.0634, 87.5712

Deuteranopia

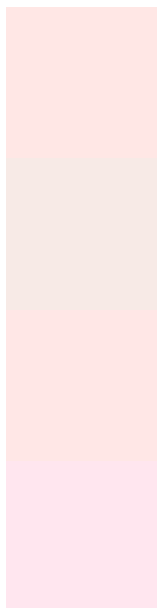
84.2397, 84.1813, 87.4100



Tritanopia

85.7407, 83.8912, 98.0598

Trichromacy



Original Color

83.9588, 84.0690, 85.9306

Protanomaly

82.0635, 84.3330, 86.8156

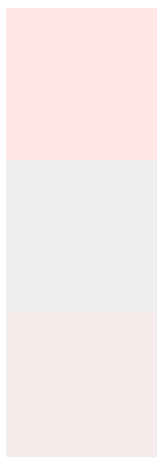
Deuteranomaly

84.0988, 84.1250, 86.6682

Tritanomaly

85.1168, 84.0856, 93.4054

Monochromacy



Original Color

83.9588, 84.0690, 85.9306

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

82.0120, 84.6479, 90.6134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9588, 84.0690, 85.9306 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, 231, 229) looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 229)  
}
```

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, 231, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 229) }
```

Border

The CSS property to change the border of an element to XYZ 83.9588, 84.0690, 85.9306 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, 231, 229) }
```


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

```
.border{ border-color:rgb(255, 231, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 229);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9588, 84.0690, 85.9306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 229) }
```

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

```
.background{ background-color: rgb(255,  
231, 229) }
```

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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