

# Converting Colors

XYZ(83.6117, 83.2626, 86.1607)

Have a look what the booklet for  
XYZ(83.6117, 83.2626, 86.1607)  
contains.

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# Color

**XYZ(83.8197, 83.5668,  
86.5751)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6E6
RGB	255, 230, 230
RGB Percent	100%, 90%, 90%
CMY	0.0000, 0.0980, 0.0980
CMYK	0.00, 0.10, 0.10, 0.00
HSL	0°, 100%, 95%
HSV	0°, 10%, 100%
XYZ	83.8197, 83.5668, 86.5751
YIQ	237.4750, 14.9000, 5.3000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 230, 230
Decimal	16770790
CIE Lab	93.26, 8.53, 3.10
CIE LCh	93, 9.071, 19.968
Yxy	83.5668, 0.3300, 0.3291
Android (android.graphics.Color)	4294960870 (0xFFFFE6E6)
YUV	237.4750, -3.6852, 15.3694
Hunter-Lab	91.4149, 3.6933, 7.8394

# Details

The XYZ color **83.8197, 83.5668, 86.5751** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.4422, 95.5603, 108.4967**, and the grayscale version is **80.8836, 85.0958, 92.6693**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.1626, 45.3730, 46.8823** is the 20% darker color. If you saturate the color by 10%, you get **73.9138, 69.0727, 66.8793**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



Red (100%)

Green (90%)

Blue (90%)



Red (100%)

Yellow (90%)

Blue (90%)



Cyan (0%)

Magenta (10%)

Yellow (10%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8197, 83.5668, 86.5751 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 83.8197, 83.5668, 86.5751 by changing the saturation by 10% instead.




 83.8197, 83.5668,  
86.5751

 83.8197, 83.5668,  
86.5751


496.2570,  
506.8736, 537.1055

 63.1858, 62.6578,  
64.5860


137.6455,  
138.3690, 144.4654

 46.2507, 45.5645,  
46.6763


171.5681,  
173.0311, 181.2037

 32.6492, 31.9023,  
32.4273


210.6510,  
213.0463, 223.6955

 22.0158, 21.2869,  
21.4206

255.2595,  
258.7991, 272.3593

 13.9852, 13.3338,  
13.2375

305.7590,  
310.6738, 327.6136

 8.1920, 7.6588,  
7.4597

362.5149,

 4.2709, 3.8774,

369.0549, 389.8771

3.6684

425.8924,  
434.3267, 459.5682

■ 1.8565, 1.6052,  
1.4453

■ 0.5514, 0.3611,  
0.1766

■ 83.8197, 83.5668,  
86.5751

■ 83.8197, 83.5668,  
86.5751

■ 73.9138, 69.0727,  
66.8793

95.0500, 100.0000,  
108.9000

■ 65.5000, 56.7611,  
50.1524

■ 58.5078, 46.5296,  
36.2521

■ 52.8588, 38.2634,  
25.0222

■ 48.4668, 31.8364,  
16.2917

■ 45.2359, 27.1084,  
9.8697

■ 43.0562, 23.9185,  
5.5377

■ 41.7968, 22.0753,  
3.0354

■ 41.2487, 21.2730,  
1.9465

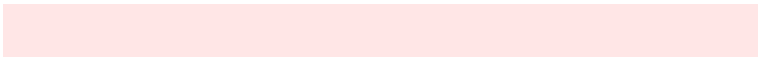
# Harmonies

## Analogous

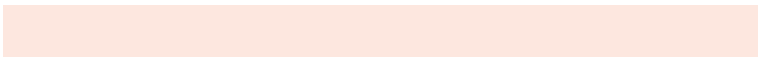
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0331, 83.5668, 93.2989



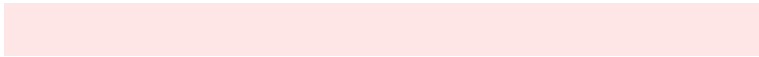
83.8197, 83.5668, 86.5751



82.4164, 83.5668, 81.2928

# Triad

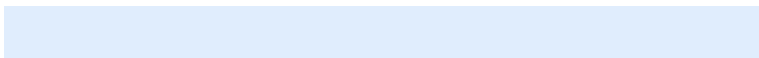
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.8197, 83.5668, 86.5751



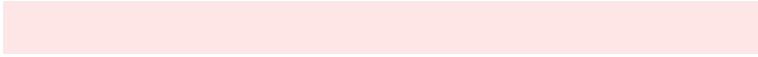
75.9654, 83.5668, 82.7951



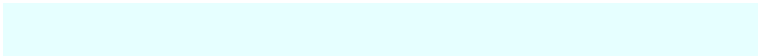
78.6309, 83.5668, 104.5558

# Complementary

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



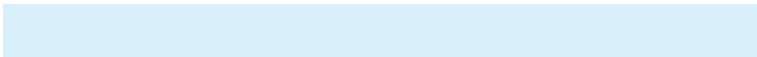
83.8197, 83.5668, 86.5751



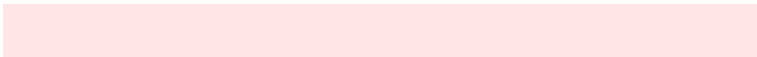
86.4422, 95.5603, 108.4967

# Split Complementary

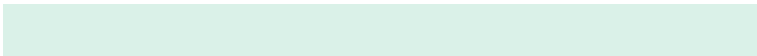
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5122, 83.5668, 101.4293



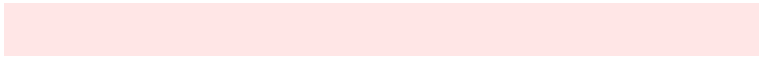
83.8197, 83.5668, 86.5751



74.9938, 83.5668, 88.7196

# Square

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



83.8197, 83.5668, 86.5751



77.8708, 83.5668, 79.1874



75.1919, 83.5668, 95.5526



81.0053, 83.5668, 103.9108

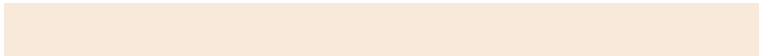


# Rectangle

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



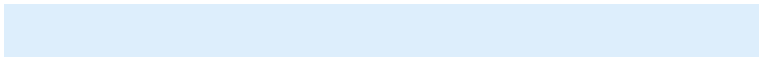
83.8197, 83.5668, 86.5751



81.0102, 83.5668, 79.1920



75.1919, 83.5668, 95.5526



77.8660, 83.5668, 103.9053

# Sweetspot

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



83.8217, 83.5703, 86.5769



91.4509, 94.7337, 101.7446



87.5872, 85.0745, 106.4124



19.3736, 19.9833, 21.3786



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.



83.8217, 83.5703, 86.5769



81.5137, 80.1931, 81.9884



87.4245, 90.7760, 87.7778



18.0097, 17.9876, 18.6671



21.5492, 11.1096, 1.0086

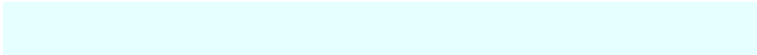


2.0983, 1.0819, 0.0982



# Inverse Universe

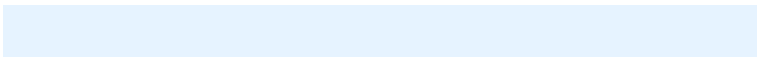
The Inverse Universe completely reimagines the original color for something new.



86.4422, 95.5603, 108.4967



84.6728, 94.6477, 108.4138



82.5850, 87.8460, 107.2110



18.5546, 20.4809, 23.2252



28.1093, 41.1281, 55.8916

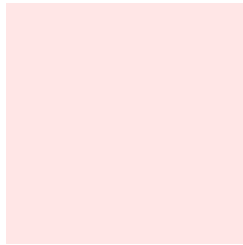


2.7370, 4.0047, 5.4420



# Previews

## White Background



This preview shows how the XYZ color 83.8197, 83.5668, 86.5751 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

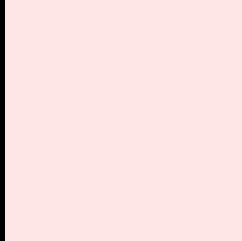
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8197, 83.5668, 86.5751 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

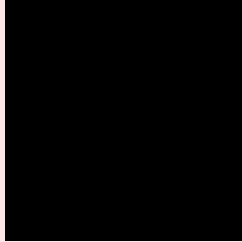
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

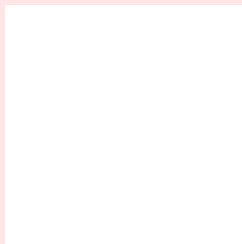
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 83.8197, 83.5668, 86.5751

## Background



This preview shows how black text looks on a background with the XYZ color 83.8197, 83.5668, 86.5751.



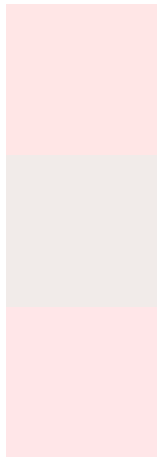
This preview shows how white text looks on a background with the XYZ color 83.8197, 83.5668,

86.5751.

# 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

83.8197, 83.5668, 86.5751

### Protanopia

80.6919, 84.0006, 89.0516

### Deuteranopia

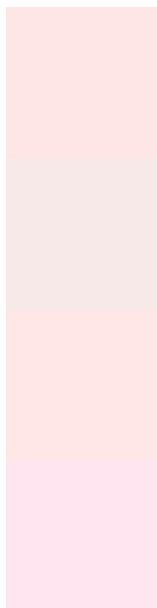
84.1023, 83.6798, 88.0631



## Tritanopia

85.3125, 83.2785, 97.1658

# Trichromacy



## Original Color

83.8197, 83.5668, 86.5751

## Protanomaly

81.7104, 83.6969, 88.1924

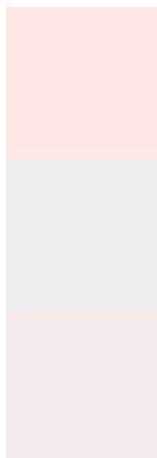
## Deuteranomaly

83.9606, 83.6232, 87.3170

## Tritanomaly

84.8393, 83.5306, 93.3129

# Monochromacy



## Original Color

83.8197, 83.5668, 86.5751

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.5823, 84.0192, 89.7594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8197, 83.5668, 86.5751 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, 230, 230) looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 230)  
}
```

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, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8197, 83.5668, 86.5751 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, 230, 230) }
```



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

```
.border{ border-color:rgb(255, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8197, 83.5668, 86.5751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 230) }
```

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

```
.background{ background-color: rgb(255,  
230, 230) }
```

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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