

# Converting Colors

XYZ(86.9335, 88.3617, 89.1816)

Have a look what the booklet for  
XYZ(86.9335, 88.3617, 89.1816)  
contains.

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# Color

**XYZ(86.3800, 88.2353,  
88.8223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEE8
RGB	255, 238, 232
RGB Percent	100%, 93%, 91%
CMY	0.0000, 0.0666, 0.0902
CMYK	0.00, 0.07, 0.09, 0.00
HSL	16°, 100%, 95%
HSV	16°, 9%, 100%
XYZ	86.3800, 88.2353, 88.8223
YIQ	242.3990, 12.0580, 1.7380

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 240, 232
Decimal	16772840
CIE <sub>Lab</sub>	95.26, 4.75, 4.95
CIE <sub>LCh</sub>	95, 6.860, 46.217
Yxy	88.2353, 0.3279, 0.3349
Android (android.graphics.Color)	4294962920 (0xFFFFEE8)
YUV	242.3990, -5.1267, 11.0511
Hunter-Lab	93.9336, -0.2379, 9.6898

# Details

The XYZ color **86.3800, 88.2353, 88.8223** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.2035, 92.1246, 107.8989**, and the grayscale version is **84.7487, 89.1622, 97.0976**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.8531, 48.5963, 47.9322** is the 20% darker color. If you saturate the color by 10%, you get **77.8159, 76.4893, 69.3751**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

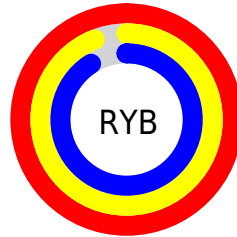
# Distribution



Red (100%)

Green (93%)

Blue (91%)



Red (100%)

Yellow (94%)

Blue (91%)



Cyan (0%)

Magenta (7%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.3800, 88.2353, 88.8223 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 86.3800, 88.2353, 88.8223 by changing the saturation by 10% instead.



 86.3800, 88.2353,  
88.8223

 86.3800, 88.2353,  
88.8223


504.5985,  
522.2735, 544.6633

 65.3086, 66.5180,  
66.4361


141.2038,  
144.8847, 147.6226

 47.9770, 48.6930,  
48.1678


175.6868,  
180.5855, 184.8738

 34.0198, 34.3760,  
33.5988


215.3711,  
221.7163, 227.9171

 23.0718, 23.1826,  
22.3107

260.6219,  
268.6615, 277.1709

 14.7675, 14.7284,  
13.8849

311.8048,  
321.8054, 333.0539

 8.7416, 8.6290,  
7.9028

369.2849,

 4.6288, 4.5000,

381.5324, 395.9846

3.9459

433.4277,  
448.2270, 466.3816

■ 2.0637, 1.9570,  
1.5957

■ 0.6693, 0.5823,  
0.2878

■ 86.3800, 88.2353,  
88.8223

■ 86.3800, 88.2353,  
88.8223

■ 77.8159, 76.4893,  
69.3751

95.0500, 100.0000,  
108.9000

■ 70.3095, 66.0539,  
52.7609

■ 63.8201, 56.8865,  
38.8482

■ 58.3022, 48.9374,  
27.4927

■ 53.7064, 42.1541,  
18.5366

■ 49.9789, 36.4797,  
11.8046

■ 47.0596, 31.8525,  
7.0968

■ 44.8795, 28.2037,  
4.1772

■ 43.3467, 25.4514,  
2.6998

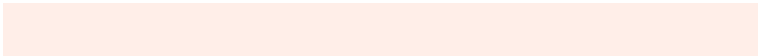
# Harmonies

## Analogous

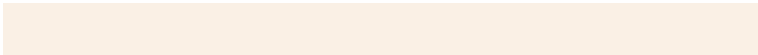
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3685, 88.2353, 93.2234



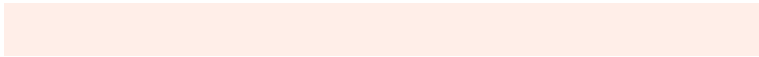
86.3800, 88.2353, 88.8223



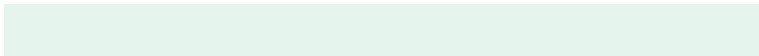
84.7254, 88.2353, 86.4065

# Triad

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



86.3800, 88.2353, 88.8223



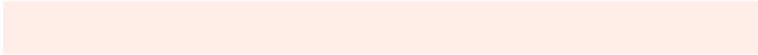
80.4180, 88.2353, 93.6384



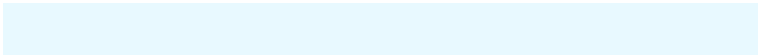
84.8741, 88.2353, 106.3141

# Complementary

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



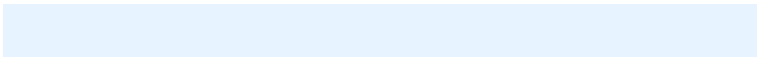
86.3800, 88.2353, 88.8223



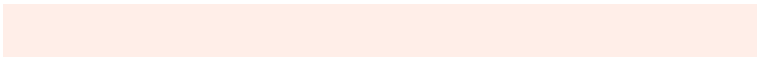
85.2035, 92.1246, 107.8989

# Split Complementary

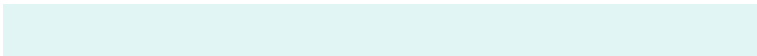
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0105, 88.2353, 106.4354



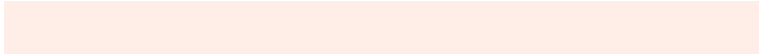
86.3800, 88.2353, 88.8223



80.4565, 88.2353, 98.9806

# Square

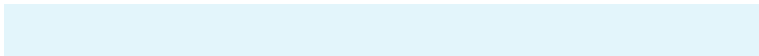
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.3800, 88.2353, 88.8223



81.2934, 88.2353, 89.1163



81.3993, 88.2353, 103.7084

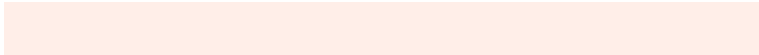


86.4903, 88.2353, 103.3831



# Rectangle

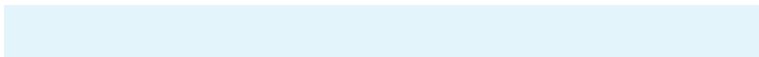
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.3800, 88.2353, 88.8223



83.4759, 88.2353, 86.1866



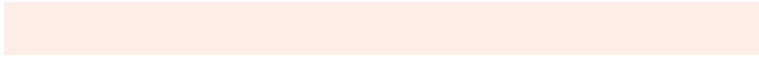
81.3993, 88.2353, 103.7084



84.2553, 88.2353, 106.6885

# Sweetspot

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



86.3821, 88.2390, 88.8242



92.0657, 95.9633, 101.9495



87.2351, 85.8294, 101.7964



19.5388, 20.3137, 21.4337



0.0000, 0.0000, 0.0000

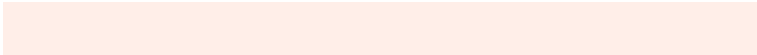


20.3446, 21.4041, 23.3091

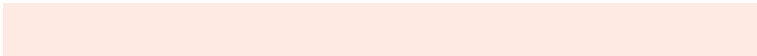


# Same Dimension

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



86.3821, 88.2390, 88.8242



84.5990, 85.8048, 84.7400



89.7589, 94.9926, 89.9498



18.3949, 18.7580, 18.7955



22.6865, 13.3843, 1.3877

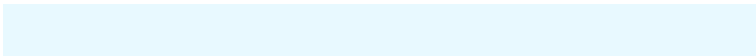


2.2931, 1.4716, 0.1632

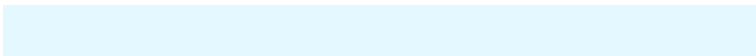


# Inverse Universe

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



85.2035, 92.1246, 107.8989



83.1808, 90.4788, 107.6878



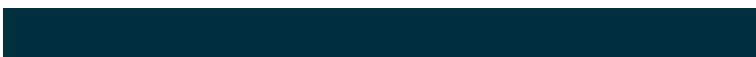
81.8314, 85.3804, 106.7748



18.1300, 19.6315, 23.0837



19.0032, 22.9161, 52.8562

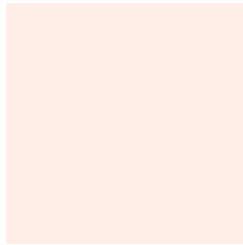


1.9391, 2.4088, 5.1760



# Previews

## White Background



This preview shows how the XYZ color 86.3800, 88.2353, 88.8223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

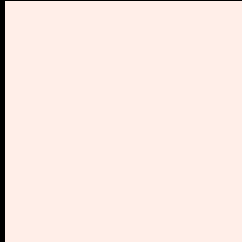
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.3800, 88.2353, 88.8223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

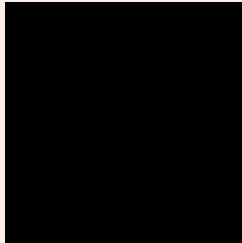
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

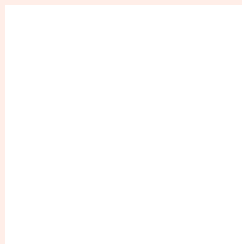
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 86.3800, 88.2353, 88.8223**

## **Background**



This preview shows how black text looks on a background with the XYZ color 86.3800, 88.2353, 88.8223.



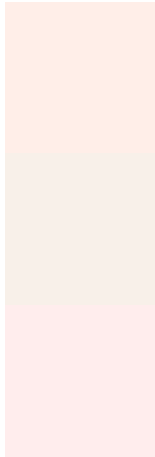
This preview shows how white text looks on a background with the XYZ color 86.3800, 88.2353,

88.8223.

# 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

86.3800, 88.2353, 88.8223

### Protanopia

84.5795, 88.1598, 89.6495

### Deuteranopia

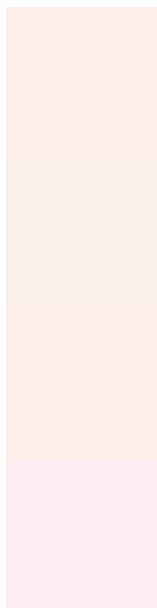
86.8102, 87.9428, 92.5200



## Tritanopia

88.6480, 88.2159, 103.6219

# Trichromacy



## Original Color

86.3800, 88.2353, 88.8223

## Protanomaly

85.3581, 88.1254, 89.6018

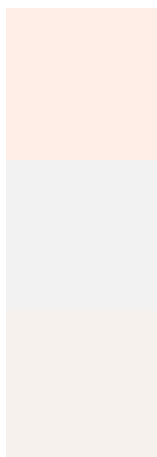
## Deuteranomaly

86.5196, 87.8265, 90.9894

## Tritanomaly

87.8533, 88.3600, 98.0128

# Monochromacy



## Original Color

86.3800, 88.2353, 88.8223

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

85.2457, 88.8578, 93.5473

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.3800, 88.2353, 88.8223 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, 238, 232) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 232)  
}
```

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, 238, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 86.3800, 88.2353, 88.8223 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, 238, 232) }
```



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

```
.border{ border-color:rgb(255, 238, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.3800, 88.2353, 88.8223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 232) }
```

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

```
.background{ background-color: rgb(255,  
238, 232) }
```

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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