

Converting Colors

XYZ(88.0263, 89.2075, 90.0202)

Have a look what the booklet for
XYZ(88.0263, 89.2075, 90.0202)
contains.

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Color

**XYZ(86.5225, 88.2923,
89.5727)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEE9
RGB	255, 238, 233
RGB Percent	100%, 93%, 91%
CMY	0.0000, 0.0666, 0.0863
CMYK	0.00, 0.07, 0.09, 0.00
HSL	14°, 100%, 96%
HSV	14°, 9%, 100%
XYZ	86.5225, 88.2923, 89.5727
YIQ	242.5130, 11.7370, 2.0490

Conversions

Conversions Part 2

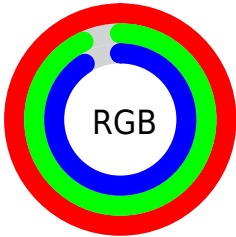
Format	Color
R _Y B	255, 239, 233
Decimal	16772841
CIE Lab	95.28, 4.91, 4.47
CIE LCh	95, 6.639, 42.311
Yxy	88.2923, 0.3273, 0.3340
Android (android.graphics.Color)	4294962921 (0xFFFFEEE9)
YUV	242.5130, -4.6899, 10.9511
Hunter-Lab	93.9640, -0.0733, 9.2556

Details

The XYZ color **86.5225, 88.2923, 89.5727** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8390, 92.9124, 108.0174**, and the grayscale version is **84.8359, 89.2540, 97.1976**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9525, 48.6360, 48.4553** is the 20% darker color. If you saturate the color by 10%, you get **77.7151, 76.0919, 69.9448**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

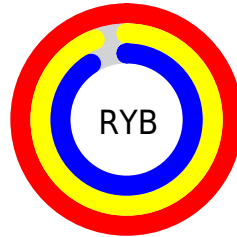
Distribution



Red (100%)

Green (93%)

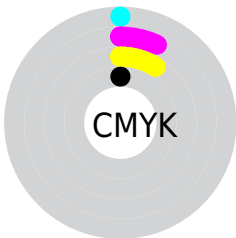
Blue (91%)



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 86.5225, 88.2923, 89.5727 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 86.5225, 88.2923, 89.5727 by changing the saturation by 10% instead.


 86.5225, 88.2923,
89.5727

 86.5225, 88.2923,
89.5727


505.0606,
522.4600, 547.1741

 65.4268, 66.5652,
67.0546


141.4015,
144.9640, 148.6750

 48.0733, 48.7313,
48.6671


175.9155,
180.6774, 186.0963

 34.0964, 34.4064,
33.9917


215.6330,
221.8217, 229.3225

 23.1309, 23.2060,
22.6099

260.9194,
268.7812, 278.7719

 14.8114, 14.7457,
14.1032

312.1400,
321.9404, 334.8633

 8.7726, 8.6411,
8.0529

369.6602,

 4.6491, 4.5078,

381.6837, 398.0151

4.0406

433.8453,
448.3954, 468.6458

■ 2.0755, 1.9615,
1.6476

■ 0.6758, 0.5850,
0.3245

■ 86.5225, 88.2923,
89.5727

■ 86.5225, 88.2923,
89.5727

■ 77.7151, 76.0919,
69.9448

95.0500, 100.0000,
108.9000

■ 70.0171, 65.3043,
53.1716

■ 63.3853, 55.8813,
39.1211

■ 57.7712, 47.7675,
27.6485

■ 53.1226, 40.9041,
18.5956

■ 49.3820, 35.2272,
11.7866

■ 46.4858, 30.6673,
7.0214

■ 44.3609, 27.1470,
4.0643

■ 42.9128, 24.5749,
2.5822

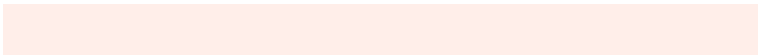
Harmonies

Analogous

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



87.3699, 88.2923, 94.0231



86.5225, 88.2923, 89.5727



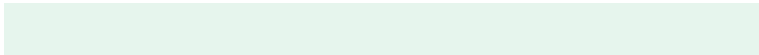
84.9824, 88.2923, 86.9375

Triad

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



86.5225, 88.2923, 89.5727



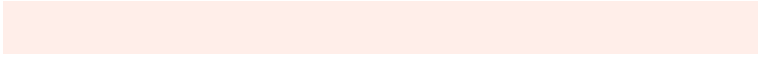
80.6429, 88.2923, 93.1348



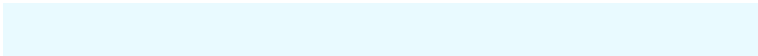
84.6644, 88.2923, 106.2188

Complementary

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



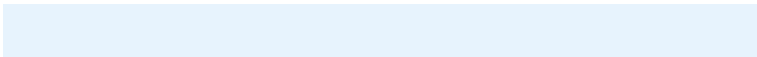
86.5225, 88.2923, 89.5727



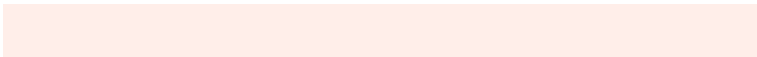
85.8390, 92.9124, 108.0174

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.



82.8649, 88.2923, 105.9600



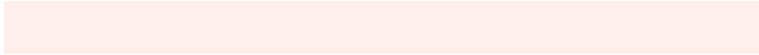
86.5225, 88.2923, 89.5727



80.5605, 88.2923, 98.2789

Square

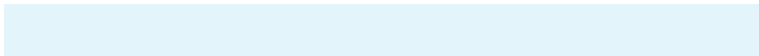
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.5225, 88.2923, 89.5727



81.5953, 88.2923, 88.9426



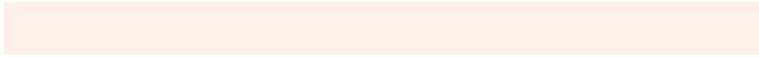
81.3686, 88.2923, 103.0109



86.2868, 88.2923, 103.7057

Rectangle

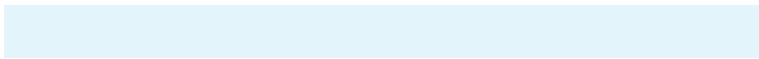
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.5225, 88.2923, 89.5727



83.7787, 88.2923, 86.5046



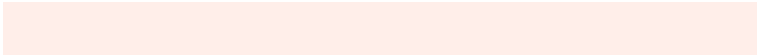
81.3686, 88.2923, 103.0109



84.0598, 88.2923, 106.4555

Sweetspot

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



86.5246, 88.2960, 89.5746



91.9862, 95.8043, 101.9230



87.6714, 86.4556, 102.7016



19.5174, 20.2709, 21.4266



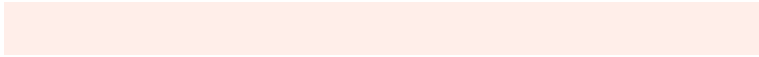
0.0000, 0.0000, 0.0000



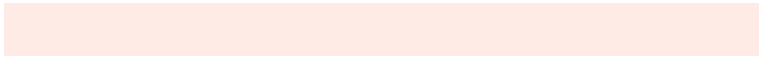
20.3446, 21.4041, 23.3091

Same Dimension

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



86.5246, 88.2960, 89.5746



85.2474, 86.5343, 86.7051



89.7520, 94.7508, 90.6504



18.3446, 18.6573, 18.7787



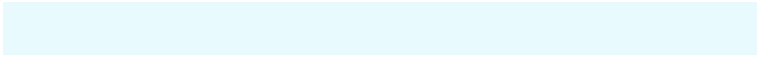
22.4313, 12.8738, 1.3026



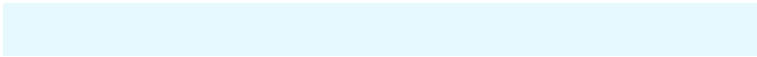
2.2620, 1.4094, 0.1528

Inverse Universe

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



85.8390, 92.9124, 108.0174



84.4601, 91.8348, 107.8821



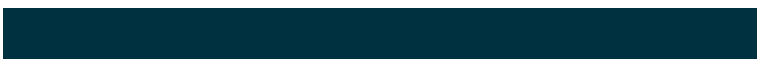
82.5901, 86.4144, 106.9344



18.1838, 19.7393, 23.1016



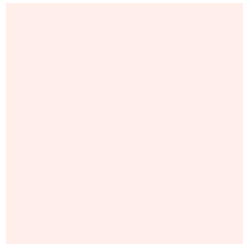
19.9809, 24.8715, 53.1822



2.0270, 2.5847, 5.2053

Previews

White Background



This preview shows how the XYZ color 86.5225, 88.2923, 89.5727 looks on a white background.

Color Contrast Check

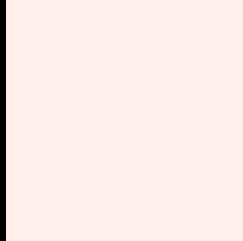
Large Text (above 18pt) WCAG AA × Fail

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 86.5225, 88.2923, 89.5727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

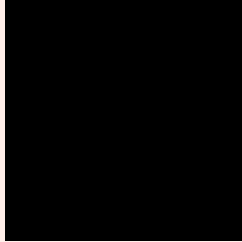
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

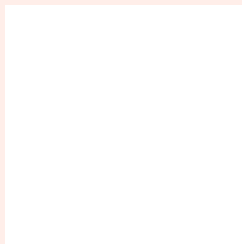
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.5225, 88.2923, 89.5727

Background



This preview shows how black text looks on a background with the XYZ color 86.5225, 88.2923, 89.5727.

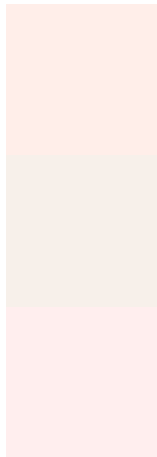


This preview shows how white text looks on a background with the XYZ color 86.5225, 88.2923,

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

86.5225, 88.2923, 89.5727

Protanopia

84.3691, 88.0348, 90.3876

Deuteranopia

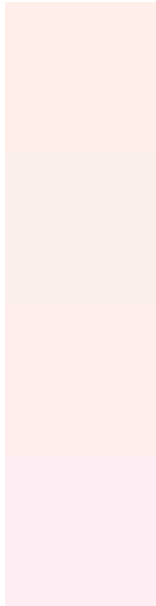
87.2472, 88.5821, 93.3886



Tritanopia

88.6480, 88.2159, 103.6219

Trichromacy



Original Color

86.5225, 88.2923, 89.5727

Protanomaly

85.1421, 87.9975, 90.3396

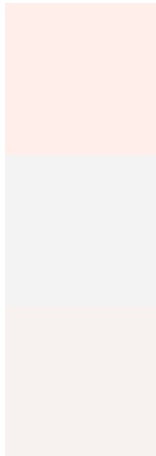
Deuteranomaly

86.9549, 88.4652, 91.8494

Tritanomaly

87.8533, 88.3600, 98.0128

Monochromacy



Original Color

86.5225, 88.2923, 89.5727

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.3931, 88.9167, 94.3233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.5225, 88.2923, 89.5727 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, 233) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 233)  
}
```

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, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 233) }
```

Border

The CSS property to change the border of an element to XYZ 86.5225, 88.2923, 89.5727 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, 233) }
```


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

```
.border{ border-color:rgb(255, 238, 233) }
```

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, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 86.5225, 88.2923, 89.5727 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, 233) }
```

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

```
.background{ background-color: rgb(255,  
238, 233) }
```

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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