

Converting Colors

XYZ(86.8457, 88.5376, 90.9166)

Have a look what the booklet for
XYZ(86.8457, 88.5376, 90.9166)
contains.

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Color

**XYZ(86.8099, 88.4072,
91.0862)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEEEE
RGB	255, 238, 235
RGB Percent	100%, 93%, 92%
CMY	0.0000, 0.0666, 0.0784
CMYK	0.00, 0.07, 0.08, 0.00
HSL	9°, 100%, 96%
HSV	9°, 8%, 100%
XYZ	86.8099, 88.4072, 91.0862
YIQ	242.7410, 11.0950, 2.6710

Conversions

Conversions Part 2

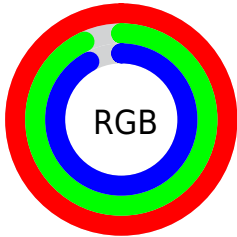
Format	Color
R _Y B	255, 239, 235
Decimal	16772843
CIE Lab	95.33, 5.24, 3.50
CIE LCh	95, 6.301, 33.774
Yxy	88.4072, 0.3260, 0.3320
Android (android.graphics.Color)	4294962923 (0xFFFFEEEB)
YUV	242.7410, -3.8163, 10.7511
Hunter-Lab	94.0251, 0.2585, 8.3808

Details

The XYZ color **86.8099, 88.4072, 91.0862** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.1206, 94.5005, 108.2564**, and the grayscale version is **85.0105, 89.4377, 97.3977**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1533, 48.7163, 49.5131** is the 20% darker color. If you saturate the color by 10%, you get **77.4531, 75.1729, 71.0754**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

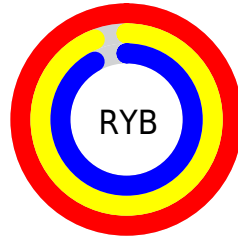
Distribution



Red (100%)

Green (93%)

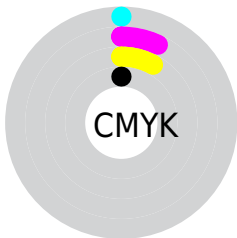
Blue (92%)



Red (100%)

Yellow (94%)

Blue (92%)

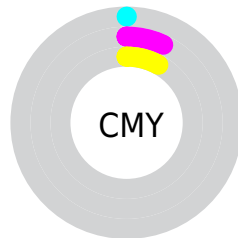


Cyan (0%)

Magenta (7%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.8099, 88.4072, 91.0862 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 86.8099, 88.4072, 91.0862 by changing the saturation by 10% instead.


 86.8099, 88.4072,
91.0862

 86.8099, 88.4072,
91.0862


505.9919,
522.8358, 552.2189

 65.6654, 66.6604,
68.3031


141.8002,
145.1239, 150.7949

 48.2675, 48.8087,
49.6761

176.3767,
180.8626, 188.5577

 34.2509, 34.4677,
34.7868


216.1612,
222.0340, 232.1507

 23.2502, 23.2531,
23.2164

261.5191,
269.0225, 281.9925

 14.9001, 14.7805,
14.5466

312.8158,
322.2126, 338.5017

 8.8352, 8.6655,
8.3587

370.4166,

 4.6901, 4.5237,

381.9886, 402.0968

4.2343

434.6868,
448.7348, 473.1964

■ 2.0995, 1.9706,
1.7547

■ 0.6889, 0.5903,
0.3978

■ 86.8099, 88.4072,
91.0862

■ 86.8099, 88.4072,
91.0862

■ 77.4531, 75.1729,
71.0754

95.0500, 100.0000,
108.9000

■ 69.3327, 63.6023,
53.9706

■ 62.3982, 53.6326,
39.6380

■ 56.5935, 45.1929,
27.9312

■ 51.8579, 38.2072,
18.6902

■ 48.1247, 32.5925,
11.7375

■ 45.3197, 28.2576,
6.8717

■ 43.3578, 25.0998,
3.8560

■ 42.1334, 22.9986,
2.3765

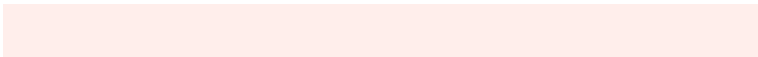
Harmonies

Analogous

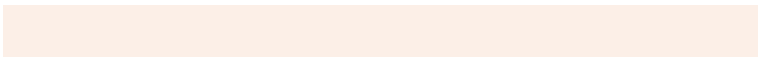
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3746, 88.4072, 95.6378



86.8099, 88.4072, 91.0862



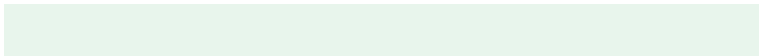
85.4996, 88.4072, 88.0047

Triad

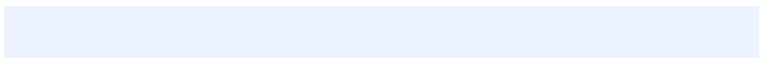
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8099, 88.4072, 91.0862



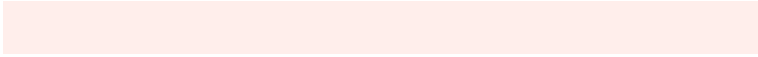
81.0940, 88.4072, 92.1317



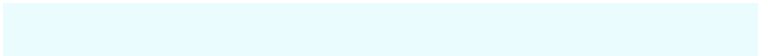
84.2464, 88.4072, 106.0325

Complementary

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



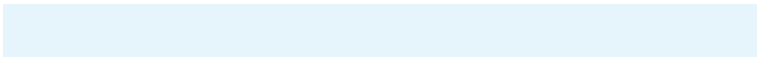
86.8099, 88.4072, 91.0862



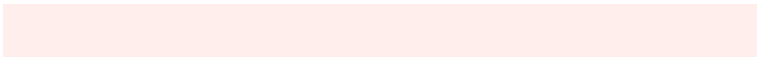
87.1206, 94.5005, 108.2564

Split Complementary

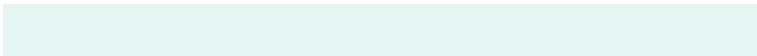
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5741, 88.4072, 105.0169



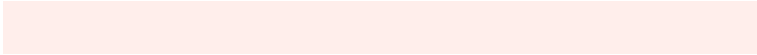
86.8099, 88.4072, 91.0862



80.7687, 88.4072, 96.8857

Square

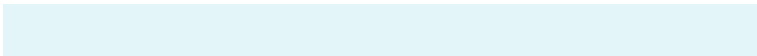
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8099, 88.4072, 91.0862



82.2017, 88.4072, 88.5937



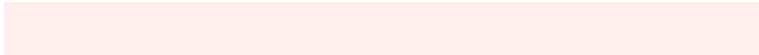
81.3069, 88.4072, 101.6270



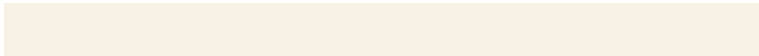
85.8819, 88.4072, 104.3571

Rectangle

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



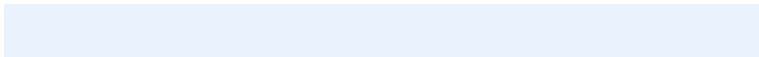
86.8099, 88.4072, 91.0862



84.3879, 88.4072, 87.1410



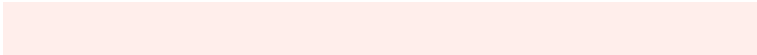
81.3069, 88.4072, 101.6270



83.6699, 88.4072, 105.9948

Sweetspot

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



86.8119, 88.4109, 91.0881



92.8726, 96.9418, 104.1770



88.5195, 87.7059, 104.3591



19.9014, 20.7816, 22.3476



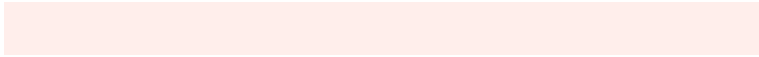
0.0000, 0.0000, 0.0000



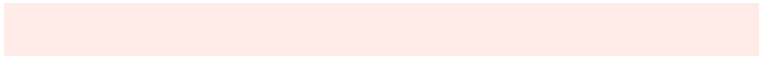
20.3446, 21.4041, 23.3091

Same Dimension

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



86.8119, 88.4109, 91.0881



85.6636, 86.7911, 88.6186



89.8032, 94.3934, 92.0852



18.2296, 18.4273, 18.7404



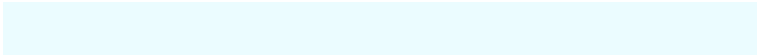
21.9816, 11.9744, 1.1527



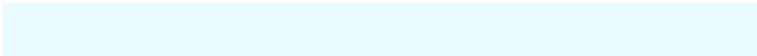
2.2021, 1.2895, 0.1328

Inverse Universe

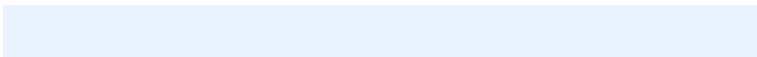
The Inverse Universe completely reimagines the original color for something new.



87.1206, 94.5005, 108.2564



86.0149, 93.7241, 108.1648



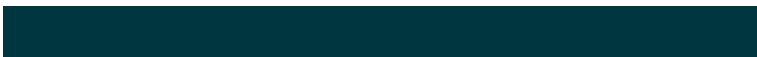
84.0640, 88.3874, 107.2376



18.3087, 19.9890, 23.1432



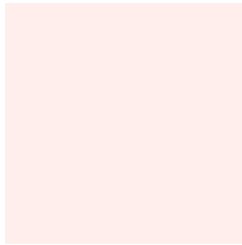
22.4434, 29.7963, 54.0030



2.2455, 3.0218, 5.2782

Previews

White Background



This preview shows how the XYZ color 86.8099, 88.4072, 91.0862 looks on a white background.

Color Contrast Check

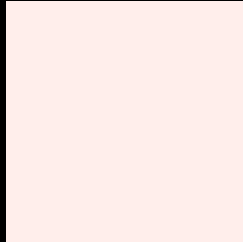
Large Text (above 18pt) WCAG AA × Fail

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 86.8099, 88.4072, 91.0862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

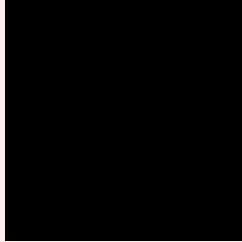
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

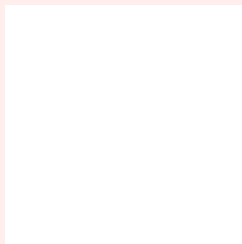
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.8099, 88.4072, 91.0862

Background



This preview shows how black text looks on a background with the XYZ color 86.8099, 88.4072, 91.0862.



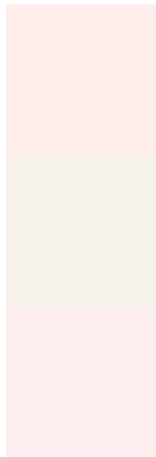
This preview shows how white text looks on a background with the XYZ color 86.8099, 88.4072,

91.0862.

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

86.8099, 88.4072, 91.0862

Protanopia

84.9534, 88.7409, 92.0081

Deuteranopia

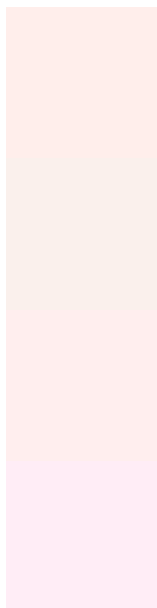
87.3945, 88.6411, 94.1646



Tritanopia

88.8061, 88.2792, 104.4545

Trichromacy



Original Color

86.8099, 88.4072, 91.0862

Protanomaly

85.7248, 88.7003, 91.9596

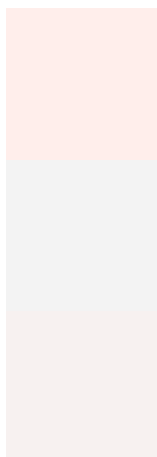
Deuteranomaly

87.2472, 88.5821, 93.3886

Tritanomaly

88.1587, 88.4822, 99.6211

Monochromacy



Original Color

86.8099, 88.4072, 91.0862

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

85.5412, 88.9760, 95.1037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.8099, 88.4072, 91.0862 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 235) }
```

Border

The CSS property to change the border of an element to XYZ 86.8099, 88.4072, 91.0862 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, 235) }
```


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

```
.border{ border-color:rgb(255, 238, 235) }
```

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, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 86.8099, 88.4072, 91.0862 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, 235) }
```

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

```
.background{ background-color: rgb(255,  
238, 235) }
```

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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