

Converting Colors

XYZ(87.1418, 89.5472, 89.2150)

Have a look what the booklet for XYZ(87.1418, 89.5472, 89.2150) contains.

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Color

**XYZ(86.9656, 89.4064,
89.0175)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0E8
RGB	255, 240, 232
RGB Percent	100%, 94%, 91%
CMY	0.0000, 0.0588, 0.0902
CMYK	0.00, 0.06, 0.09, 0.00
HSL	21°, 100%, 95%
HSV	21°, 9%, 100%
XYZ	86.9656, 89.4064, 89.0175
YIQ	243.5730, 11.5080, 0.6920

Conversions

Conversions Part 2

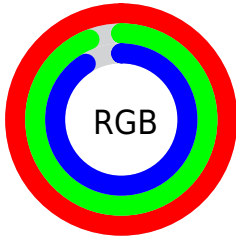
Format	Color
R_{YB}	255, 244, 232
Decimal	16773352
CIE _{Lab}	95.75, 3.73, 5.66
CIE _{LCh}	96, 6.777, 56.645
Yxy	89.4064, 0.3277, 0.3369
Android (android.graphics.Color)	4294963432 (0xFFFFF0E8)
YUV	243.5730, -5.7055, 10.0215
Hunter-Lab	94.5550, -1.2983, 10.3707

Details

The XYZ color **86.9656, 89.4064, 89.0175** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.5887, 90.8949, 107.6939**, and the grayscale version is **85.6875, 90.1499, 98.1732**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2657, 49.4213, 48.0697** is the 20% darker color. If you saturate the color by 10%, you get **78.9313, 78.7200, 69.7469**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

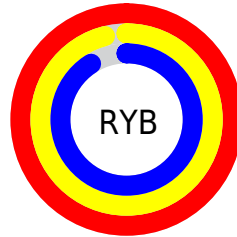
Distribution



Red (100%)

Green (94%)

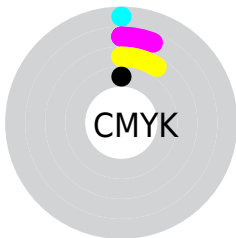
Blue (91%)



Red (100%)

Yellow (96%)

Blue (91%)

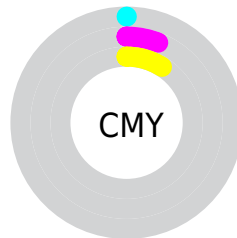


Cyan (0%)

Magenta (6%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (6%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.9656, 89.4064, 89.0175 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 86.9656, 89.4064, 89.0175 by changing the saturation by 10% instead.


 86.9656, 89.4064,
89.0175

 86.9656, 89.4064,
89.0175


506.4961,
526.0980, 545.3170

 65.7947, 67.4884,
66.5969


142.0161,
146.5136, 147.8965

 48.3728, 49.4817,
48.2976


176.6264,
182.4716, 185.1920

 34.3347, 35.0017,
33.7010


216.4472,
223.8784, 228.2828

 23.3150, 23.6642,
22.3885

261.8438,
271.1183, 277.5877

 14.9482, 15.0847,
13.9416

313.1817,
324.5759, 333.5249

 8.8691, 8.8789,
7.9418

370.8261,

 4.7123, 4.6622,

384.6354, 396.5132

3.9705

435.1424,
451.6813, 466.9711

■ 2.1125, 2.0505,
1.6092

■ 0.6960, 0.6366,
0.2973

■ 86.9656, 89.4064,
89.0175

■ 86.9656, 89.4064,
89.0175

■ 78.9313, 78.7200,
69.7469

95.0500, 100.0000,
108.9000

■ 71.8345, 69.1040,
53.2693

■ 65.6406, 60.5274,
39.4550

■ 60.3103, 52.9536,
28.1621

■ 55.8013, 46.3437,
19.2349

■ 52.0670, 40.6559,
12.5006

■ 49.0559, 35.8450,
7.7622

■ 46.7081, 31.8608,
4.7867

■ 44.9422, 28.6425,
3.2317

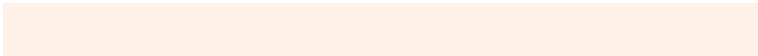
Harmonies

Analogous

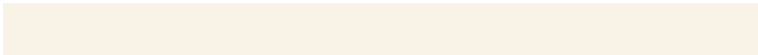
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2246, 89.4064, 92.8138



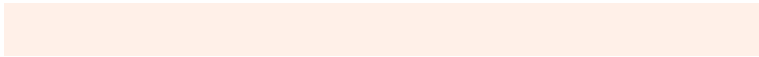
86.9656, 89.4064, 89.0175



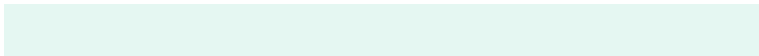
85.1882, 89.4064, 87.4492

Triad

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



86.9656, 89.4064, 89.0175



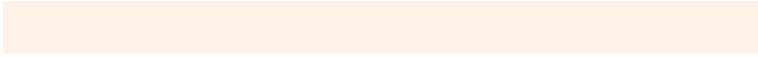
81.4474, 89.4064, 96.7483



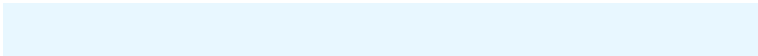
86.5968, 89.4064, 106.8218

Complementary

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



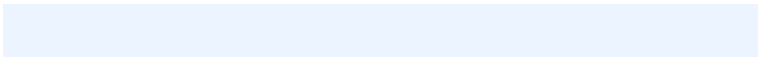
86.9656, 89.4064, 89.0175



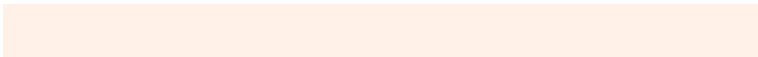
84.5887, 90.8949, 107.6939

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.



84.7683, 89.4064, 107.9677



86.9656, 89.4064, 89.0175



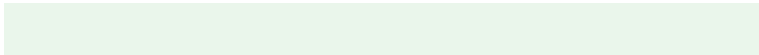
81.8122, 89.4064, 102.0282

Square

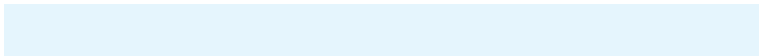
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9656, 89.4064, 89.0175



82.0171, 89.4064, 91.8087



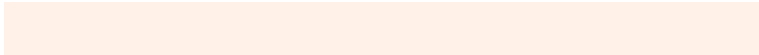
83.0211, 89.4064, 106.1834



88.0095, 89.4064, 103.1066

Rectangle

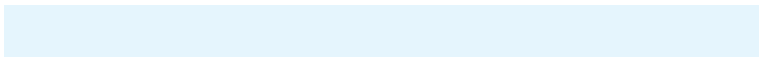
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9656, 89.4064, 89.0175



83.9548, 89.4064, 87.8341



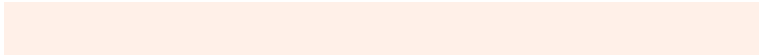
83.0211, 89.4064, 106.1834



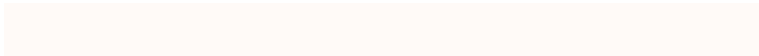
86.0097, 89.4064, 107.5260

Sweetspot

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



86.9676, 89.4101, 89.0194



92.2721, 96.3760, 102.0183



86.9372, 85.7102, 100.2277



19.5944, 20.4248, 21.4522



0.0000, 0.0000, 0.0000



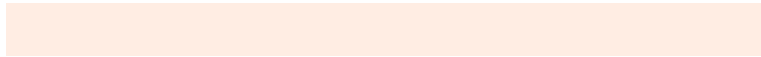
20.3446, 21.4041, 23.3091

Same Dimension

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



86.9676, 89.4101, 89.0194



85.2993, 87.2054, 84.9734



90.3551, 96.1850, 90.1485



18.5264, 19.0209, 18.8393



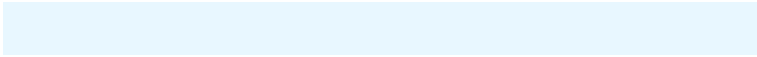
23.5301, 15.0714, 1.6689



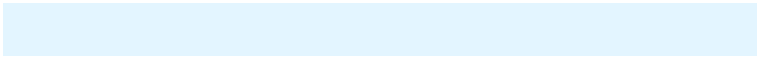
2.3886, 1.6627, 0.1950

Inverse Universe

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



84.5887, 90.8949, 107.6939



82.4370, 88.9913, 107.4399



81.2772, 84.2719, 106.5901



17.9915, 19.3547, 23.0375



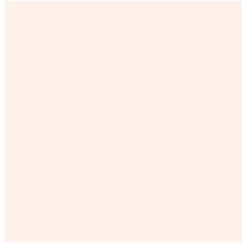
16.7255, 18.3605, 52.0970



1.7308, 1.9924, 5.1066

Previews

White Background



This preview shows how the XYZ color 86.9656, 89.4064, 89.0175 looks on a white background.

Color Contrast Check

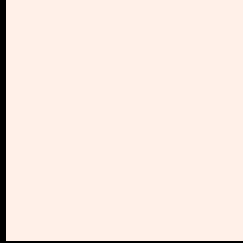
Large Text (above 18pt) WCAG AA × Fail

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 86.9656, 89.4064, 89.0175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

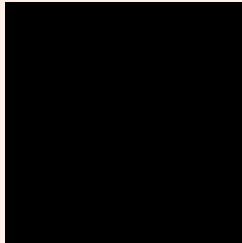
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.9656, 89.4064, 89.0175

Background



This preview shows how black text looks on a background with the XYZ color 86.9656, 89.4064, 89.0175.



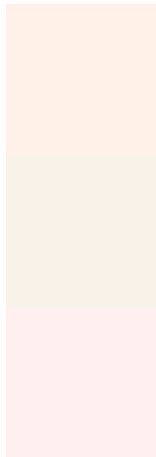
This preview shows how white text looks on a background with the XYZ color 86.9656, 89.4064,

89.075.

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

86.9656, 89.4064, 89.0175

Protanopia

85.5270, 89.5272, 89.8635

Deuteranopia

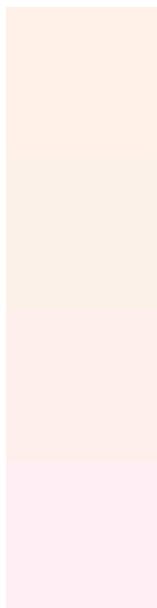
87.6865, 89.2250, 94.2619



Tritanopia

89.3852, 89.4373, 104.6475

Trichromacy



Original Color

86.9656, 89.4064, 89.0175

Protanomaly

85.9469, 89.3030, 89.7981

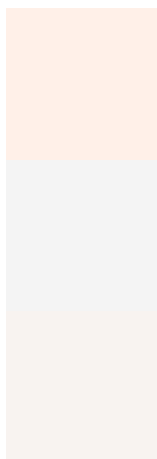
Deuteranomaly

87.2468, 89.0491, 91.9467

Tritanomaly

88.5879, 89.5856, 99.0089

Monochromacy



Original Color

86.9656, 89.4064, 89.0175

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.4902, 90.3489, 95.3186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9656, 89.4064, 89.0175 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, 240, 232) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 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, 240, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 232) }
```

Border

The CSS property to change the border of an element to XYZ 86.9656, 89.4064, 89.0175 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, 240, 232) }
```


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

```
.border{ border-color:rgb(255, 240, 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, 240, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9656, 89.4064, 89.0175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 232) }
```

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

```
.background{ background-color: rgb(255,  
240, 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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