

Converting Colors

XYZ(86.8438, 90.0644, 86.1975)

Have a look what the booklet for
XYZ(86.8438, 90.0644, 86.1975)
contains.

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Color

**XYZ(86.9957, 90.3657,
86.2559)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFF2E4 |
| RGB | 255, 242, 228 |
| RGB Percent | 100%, 95%, 89% |
| CMY | 0.0000, 0.0510, 0.1059 |
| CMYK | 0.00, 0.05, 0.11, 0.00 |
| HSL | 31°, 100%, 95% |
| HSV | 31°, 11%, 100% |
| XYZ | 86.9957, 90.3657, 86.2559 |
| YIQ | 244.2910, 12.2420, -1.5980 |

Conversions

Conversions Part 2

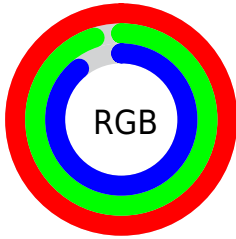
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 253, 255, 228 |
| Decimal | 16773860 |
| CIE _{Lab} | 96.15, 2.07, 8.30 |
| CIE _{LCh} | 96, 8.555, 76.027 |
| Yxy | 90.3657, 0.3300, 0.3428 |
| Android (android.graphics.Color) | 4294963940 (0xFFFFF2E4) |
| YUV | 244.2910, -8.0315, 9.3918 |
| Hunter-Lab | 95.0609, -3.0009, 12.7443 |

Details

The XYZ color **86.9957, 90.3657, 86.2559** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.4994, 86.6222, 107.0320**, and the grayscale version is **86.2793, 90.7726, 98.8513**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.3904, 50.1407, 46.6628** is the 20% darker color. If you saturate the color by 10%, you get **80.1829, 81.9935, 67.7893**, and if you desaturate by 10%, it is **94.5801, 99.4446, 107.5579**.

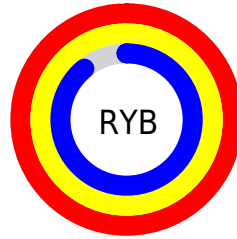
Distribution



Red (100%)

Green (95%)

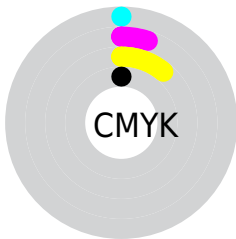
Blue (89%)



Red (99%)

Yellow (100%)

Blue (89%)

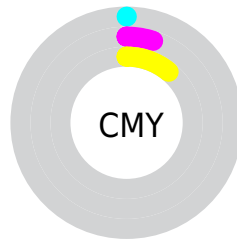


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.9957, 90.3657, 86.2559 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 86.9957, 90.3657, 86.2559 by changing the saturation by 10% instead.


 86.9957, 90.3657,
86.2559

 86.9957, 90.3657,
86.2559


506.5935,
529.2197, 536.0272

 65.8197, 68.2840,
64.3235

142.0578,
147.8463, 144.0162

 48.3932, 50.1288,
46.4649


176.6747,
184.0139, 180.6813

 34.3509, 35.5158,
32.2615


216.5025,
225.6457, 223.0942

 23.3275, 24.0604,
21.2949

261.9066,
273.1259, 271.6737

 14.9575, 15.3785,
13.1464

313.2524,
326.8390, 326.8382

 8.8757, 9.0854,
7.3975

370.9052,

 4.7167, 4.7969,

387.1695, 389.0062

3.6297

435.2305,
454.5016, 458.5964

■ 2.1150, 2.1286,
1.4245

■ 0.6974, 0.6807,
0.1607

■ 86.9957, 90.3657,
86.2559

■ 86.9957, 90.3657,
86.2559

■ 80.1829, 81.9935,
67.7893

94.5801, 99.4446,
107.5579

■ 74.1078, 74.2980,
52.0309

95.0500, 100.0000,
108.9000

■ 68.7431, 67.2634,
38.8522

■ 64.0573, 60.8689,
28.1119

■ 60.0159, 55.0924,
19.6550

■ 56.5811, 49.9101,
13.3084

■ 53.7098, 45.2956,
8.8737

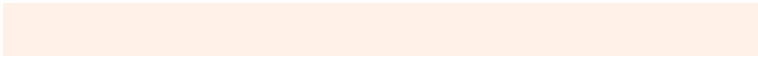
■ 51.3516, 41.2194,
6.1139

■ 49.5283, 37.8366,
4.6928

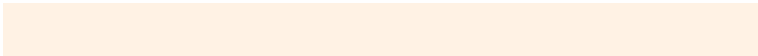
Harmonies

Analogous

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



89.0951, 90.3657, 89.2903



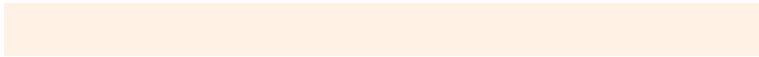
86.9957, 90.3657, 86.2559



84.6370, 90.3657, 86.3669

Triad

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



86.9957, 90.3657, 86.2559



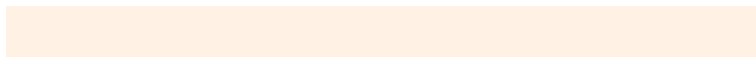
81.5812, 90.3657, 102.0428



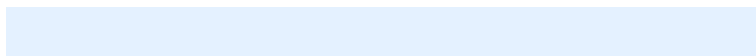
89.2136, 90.3657, 107.7419

Complementary

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



86.9957, 90.3657, 86.2559



81.4994, 86.6222, 107.0320

Split Complementary

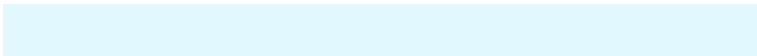
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.1550, 90.3657, 111.4864



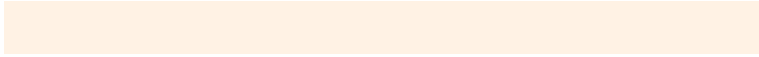
86.9957, 90.3657, 86.2559



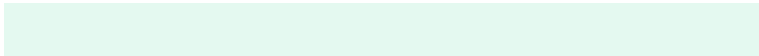
82.7625, 90.3657, 108.0940

Square

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



86.9957, 90.3657, 86.2559



81.5403, 90.3657, 95.2730



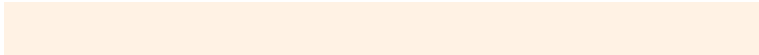
84.7935, 90.3657, 111.6181



90.3915, 90.3657, 101.5802

Rectangle

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



86.9957, 90.3657, 86.2559



83.2356, 90.3657, 88.2043



84.7935, 90.3657, 111.6181



88.6000, 90.3657, 109.3373

Sweetspot

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



86.9978, 90.3695, 86.2578



92.6792, 97.1904, 102.1540



84.8687, 83.1017, 94.8261



19.7041, 20.6443, 21.4888



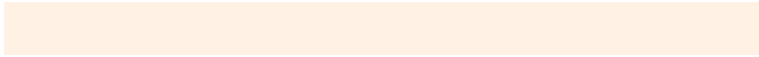
0.0000, 0.0000, 0.0000



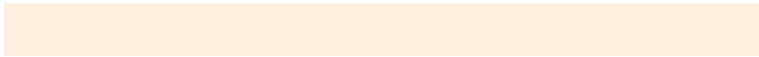
20.3446, 21.4041, 23.3091

Same Dimension

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



86.9978, 90.3695, 86.2578



85.2845, 88.2855, 81.5477



90.8385, 98.2963, 87.5854



18.7888, 19.5459, 18.9268



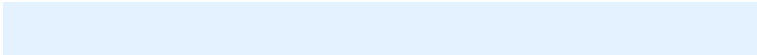
26.0300, 20.0713, 2.5022



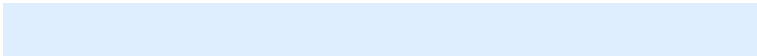
2.6439, 2.1731, 0.2801

Inverse Universe

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



81.4994, 86.6222, 107.0320



78.6459, 83.7612, 106.6302



77.9323, 79.2757, 105.8020



17.7244, 18.8204, 22.9485



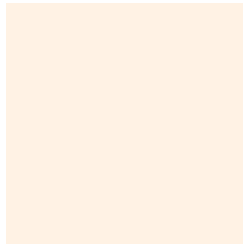
13.2626, 11.4348, 50.9427



1.4000, 1.3308, 4.9963

Previews

White Background



This preview shows how the XYZ color 86.9957, 90.3657, 86.2559 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 86.9957, 90.3657, 86.2559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

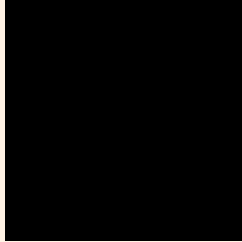
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.9957, 90.3657, 86.2559

Background



This preview shows how black text looks on a background with the XYZ color 86.9957, 90.3657, 86.2559.



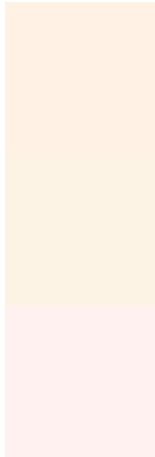
This preview shows how white text looks on a background with the XYZ color 86.9957, 90.3657,

86.2559.

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

86.9957, 90.3657, 86.2559

Protanopia

86.3383, 90.4538, 87.0375

Deuteranopia

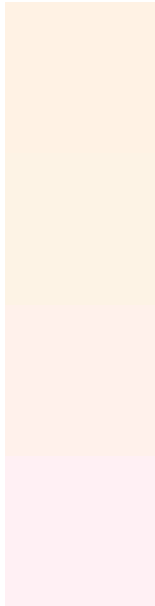
88.2753, 90.4026, 94.4582



Tritanopia

89.8361, 90.0849, 105.5817

Trichromacy



Original Color

86.9957, 90.3657, 86.2559

Protanomaly

86.7015, 90.6410, 87.0545

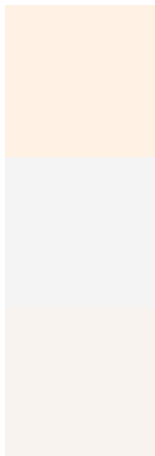
Deuteranomaly

87.6907, 90.1688, 91.3798

Tritanomaly

88.7292, 90.1118, 98.3047

Monochromacy



Original Color

86.9957, 90.3657, 86.2559

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.1946, 90.2307, 93.7622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9957, 90.3657, 86.2559 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, 242, 228) looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 228)  
}
```

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, 242, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 228) }
```

Border

The CSS property to change the border of an element to XYZ 86.9957, 90.3657, 86.2559 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, 242, 228) }
```


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

```
.border{ border-color:rgb(255, 242, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 228);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9957, 90.3657, 86.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 228) }
```

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

```
.background{ background-color: rgb(255,  
242, 228) }
```

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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