

Converting Colors

XYZ(86.3661, 87.6183, 89.2898)

Have a look what the booklet for
XYZ(86.3661, 87.6183, 89.2898)
contains.

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Color

**XYZ(86.2322, 87.7116,
89.4759)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDE9
RGB	255, 237, 233
RGB Percent	100%, 93%, 91%
CMY	0.0000, 0.0706, 0.0863
CMYK	0.00, 0.07, 0.09, 0.00
HSL	11°, 100%, 96%
HSV	11°, 9%, 100%
XYZ	86.2322, 87.7116, 89.4759
YIQ	241.9260, 12.0120, 2.5720

Conversions

Conversions Part 2

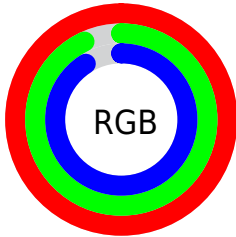
Format	Color
R _Y B	255, 238, 233
Decimal	16772585
CIE Lab	95.04, 5.42, 4.12
CIE LCh	95, 6.806, 37.203
Yxy	87.7116, 0.3274, 0.3330
Android (android.graphics.Color)	4294962665 (0xFFFFE9)
YUV	241.9260, -4.4005, 11.4659
Hunter-Lab	93.6545, 0.4583, 8.9135

Details

The XYZ color **86.2322, 87.7116, 89.4759** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.1506, 93.5355, 108.1213**, and the grayscale version is **84.3685, 88.7622, 96.6620**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7484, 48.2278, 48.3873** is the 20% darker color. If you saturate the color by 10%, you get **77.1577, 74.9772, 69.7590**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

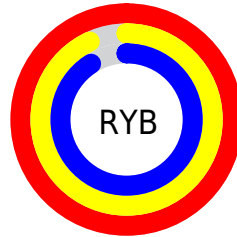
Distribution



Red (100%)

Green (93%)

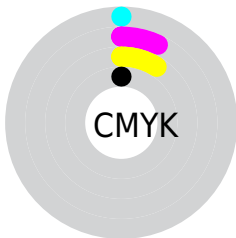
Blue (91%)



Red (100%)

Yellow (93%)

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 86.2322, 87.7116, 89.4759 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 86.2322, 87.7116, 89.4759 by changing the saturation by 10% instead.


 86.2322, 87.7116,
89.4759

 86.2322, 87.7116,
89.4759


504.1190,
520.5583, 546.8505

 65.1859, 66.0842,
66.9748


140.9986,
144.1556, 148.5393

 47.8771, 48.3408,
48.6027


175.4495,
179.7410, 185.9387

 33.9404, 34.0968,
33.9410

215.0993,
220.7479, 229.1413

 23.0105, 22.9680,
22.5713

260.3133,
267.5607, 278.5656

 14.7220, 14.5699,
14.0750

311.4569,
320.5637, 334.6301

 8.7096, 8.5181,
8.0335

368.8955,

 4.6078, 4.4282,

380.1414, 397.7534

4.0283

432.9944,
446.6781, 468.3540

■ 2.0514, 1.9159,
1.6409

■ 0.6626, 0.5579,
0.3197

■ 86.2322, 87.7116,
89.4759

■ 86.2322, 87.7116,
89.4759

■ 77.1577, 74.9772,
69.7590

95.0500, 100.0000,
108.9000

■ 69.2638, 63.7977,
52.9205

■ 62.5029, 54.1165,
38.8270

■ 56.8222, 45.8694,
27.3322

■ 52.1643, 38.9875,
18.2762

■ 48.4665, 33.3961,
11.4814

■ 45.6587, 29.0131,
6.7457

■ 43.6608, 25.7467,
3.8309

■ 42.3694, 23.4880,
2.4011

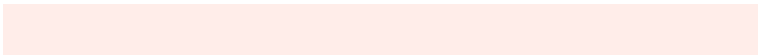
Harmonies

Analogous

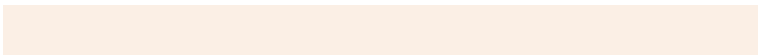
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9457, 87.7116, 94.2316



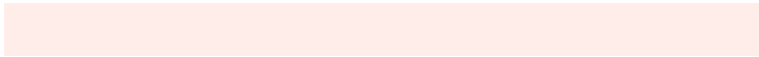
86.2322, 87.7116, 89.4759



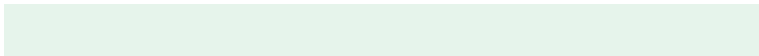
84.7529, 87.7116, 86.4175

Triad

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



86.2322, 87.7116, 89.4759



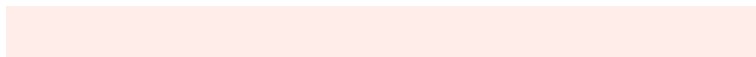
80.1314, 87.7116, 91.6105



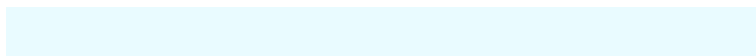
83.8140, 87.7116, 105.9688

Complementary

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



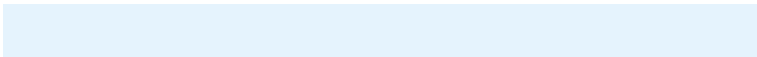
86.2322, 87.7116, 89.4759



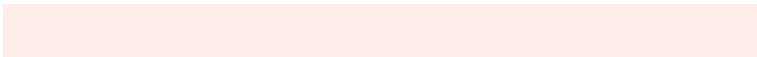
86.1506, 93.5355, 108.1213

Split Complementary

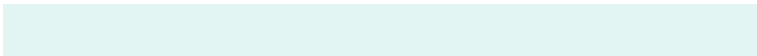
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9968, 87.7116, 105.2040



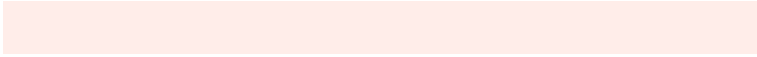
86.2322, 87.7116, 89.4759



79.8884, 87.7116, 96.7858

Square

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



86.2322, 87.7116, 89.4759



81.2353, 87.7116, 87.6178



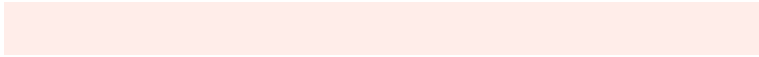
80.5665, 87.7116, 101.7949



85.5362, 87.7116, 103.8477

Rectangle

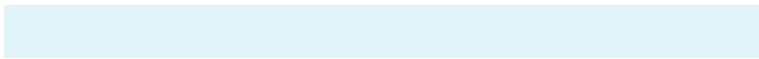
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.2322, 87.7116, 89.4759



83.5409, 87.7116, 85.6866



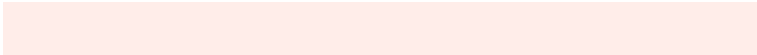
80.5665, 87.7116, 101.7949



83.1938, 87.7116, 106.0419

Sweetspot

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



86.2342, 87.7152, 89.4778



91.8787, 95.5894, 101.8872



87.8446, 86.5249, 103.6138



19.4885, 20.2131, 21.4169



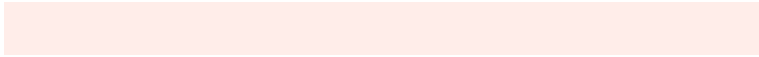
0.0000, 0.0000, 0.0000



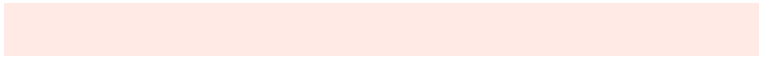
20.3446, 21.4041, 23.3091

Same Dimension

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



86.2342, 87.7152, 89.4778



84.9160, 85.8716, 86.5946



89.4134, 94.0736, 90.5375



18.2768, 18.5217, 18.7561



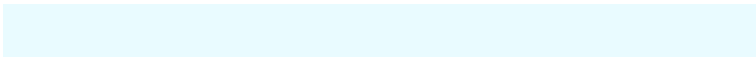
22.1444, 12.3000, 1.2070



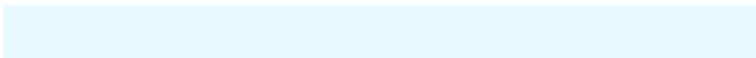
2.2249, 1.3351, 0.1404

Inverse Universe

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



86.1506, 93.5355, 108.1213



84.8199, 92.5544, 108.0020



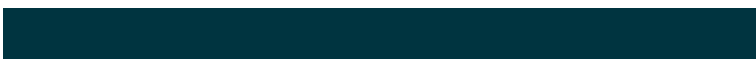
82.9135, 87.0612, 107.0422



18.2571, 19.8859, 23.1261



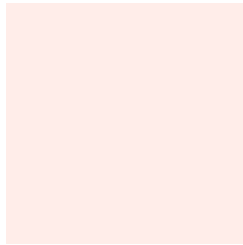
21.3933, 27.6961, 53.6529



2.1528, 2.8363, 5.2473

Previews

White Background



This preview shows how the XYZ color 86.2322, 87.7116, 89.4759 looks on a white background.

Color Contrast Check

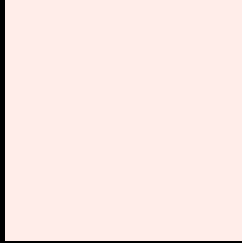
Large Text (above 18pt) WCAG AA × Fail

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 86.2322, 87.7116, 89.4759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

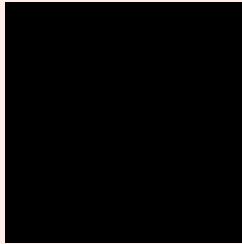
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

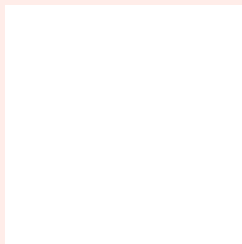
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 86.2322, 87.7116, 89.4759

Background



This preview shows how black text looks on a background with the XYZ color 86.2322, 87.7116, 89.4759.

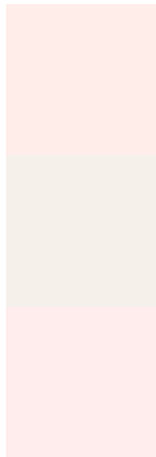


This preview shows how white text looks on a background with the XYZ color 86.2322, 87.7116,

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

86.2322, 87.7116, 89.4759

Protanopia

84.1615, 87.9112, 91.1300

Deuteranopia

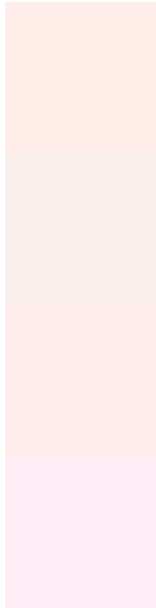
86.8102, 87.9428, 92.5200



Tritanopia

88.3609, 87.6417, 103.5262

Trichromacy



Original Color

86.2322, 87.7116, 89.4759

Protanomaly

84.7847, 87.8133, 90.3229

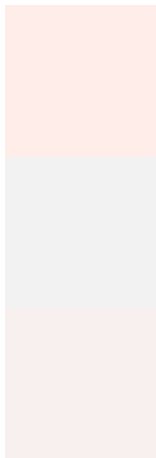
Deuteranomaly

86.6645, 87.8845, 91.7526

Tritanomaly

87.5646, 87.7826, 97.9165

Monochromacy



Original Color

86.2322, 87.7116, 89.4759

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.0978, 88.3263, 94.2249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.2322, 87.7116, 89.4759 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, 237, 233) looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 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, 237, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 233) }
```

Border

The CSS property to change the border of an element to XYZ 86.2322, 87.7116, 89.4759 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, 237, 233) }
```


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

```
.border{ border-color:rgb(255, 237, 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, 237, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 86.2322, 87.7116, 89.4759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 233) }
```

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

```
.background{ background-color: rgb(255,  
237, 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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