

Converting Colors

XYZ(87.6862, 89.6946, 92.8120)

Have a look what the booklet for
XYZ(87.6862, 89.6946, 92.8120)
contains.

XYZ(87.6862, 89.6946, 92.8120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(87.6862, 89.6946,
92.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF0ED
RGB	255, 240, 237
RGB Percent	100%, 94%, 93%
CMY	0.0000, 0.0588, 0.0706
CMYK	0.00, 0.06, 0.07, 0.00
HSL	10°, 100%, 96%
HSV	10°, 7%, 100%
XYZ	87.6862, 89.6946, 92.8120
YIQ	244.1430, 9.9030, 2.2470

Conversions

Conversions Part 2

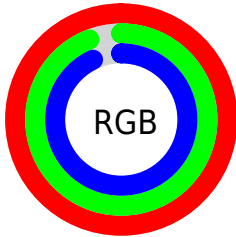
Format	Color
R_{YB}	255, 241, 237
Decimal	16773357
CIE Lab	95.87, 4.55, 3.25
CIE LCh	96, 5.587, 35.537
Yxy	89.6946, 0.3245, 0.3320
Android (android.graphics.Color)	4294963437 (0xFFFFF0ED)
YUV	244.1430, -3.5215, 9.5216
Hunter-Lab	94.7072, -0.4706, 8.1915

Details

The XYZ color **87.6862, 89.6946, 92.8120** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.7847, 94.8429, 108.2875**, and the grayscale version is **86.1271, 90.6124, 98.6769**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7697, 49.6229, 50.7238** is the 20% darker color. If you saturate the color by 10%, you get **78.3305, 76.5276, 72.6011**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

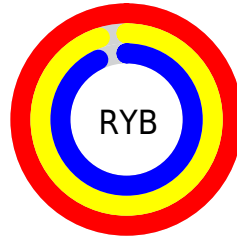
Distribution



Red (100%)

Green (94%)

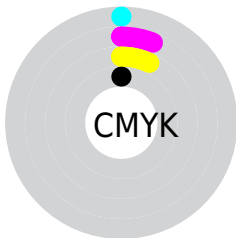
Blue (93%)



Red (100%)

Yellow (95%)

Blue (93%)

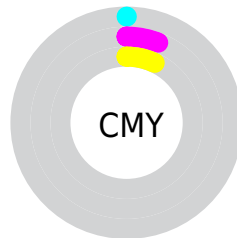


Cyan (0%)

Magenta (6%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (6%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.6862, 89.6946, 92.8120 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 87.6862, 89.6946, 92.8120 by changing the saturation by 10% instead.

 87.6862, 89.6946,
92.8120

 87.6862, 89.6946,
92.8120


508.8258,
527.0369, 557.9407

 66.3931, 67.7274,
69.7285


143.0150,
146.9141, 153.2078

 48.8605, 49.6760,
50.8298


177.7814,
182.9352, 191.3571

 34.7229, 35.1560,
35.6974


217.7696,
224.4097, 235.3654

 23.6150, 23.7831,
23.9127

263.3451,
271.7219, 285.6512

 15.1715, 15.1728,
15.0573

314.8731,
325.2564, 342.6331

 9.0269, 8.9407,
8.7125

372.7190,

 4.8160, 4.7025,

385.3974, 406.7296

4.4599

437.2481,
452.5295, 478.3593

■ 2.1734, 2.0738,
1.8809

■ 0.7286, 0.6498,
0.4805

■ 87.6862, 89.6946,
92.8120

■ 87.6862, 89.6946,
92.8120

■ 78.3305, 76.5276,
72.6011

95.0500, 100.0000,
108.9000

■ 70.1874, 64.9739,
55.2973

■ 63.2086, 54.9745,
40.7680

■ 57.3400, 46.4627,
28.8683

■ 52.5233, 39.3668,
19.4403

■ 48.6948, 33.6091,
12.3086

■ 45.7835, 29.1045,
7.2749

■ 43.7083, 25.7574,
4.1070

■ 42.3717, 23.4576,
2.5100

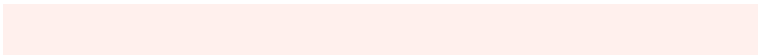
Harmonies

Analogous

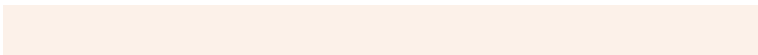
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2357, 89.6946, 96.8456



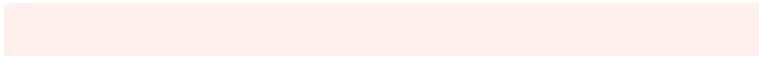
87.6862, 89.6946, 92.8120



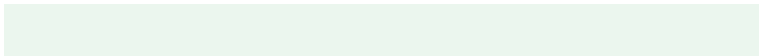
86.4850, 89.6946, 90.1392

Triad

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



87.6862, 89.6946, 92.8120



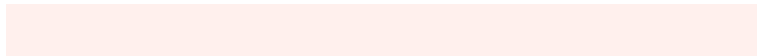
82.5831, 89.6946, 94.1898



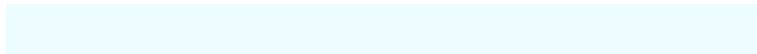
85.5383, 89.6946, 106.3552

Complementary

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



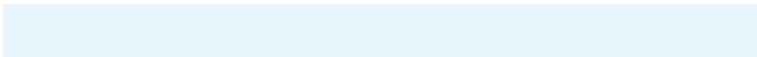
87.6862, 89.6946, 92.8120



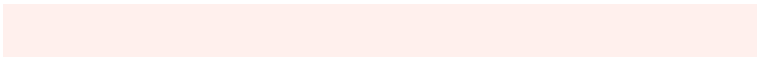
87.7847, 94.8429, 108.2875

Split Complementary

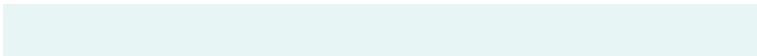
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0308, 89.6946, 105.5925



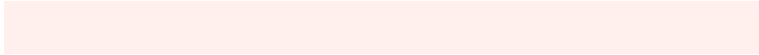
87.6862, 89.6946, 92.8120



82.3364, 89.6946, 98.4834

Square

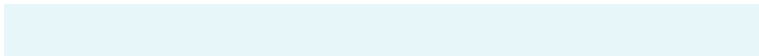
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6862, 89.6946, 92.8120



83.5412, 89.6946, 90.9177



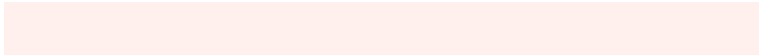
82.8633, 89.6946, 102.6784



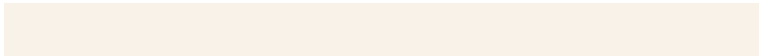
86.9860, 89.6946, 104.7322

Rectangle

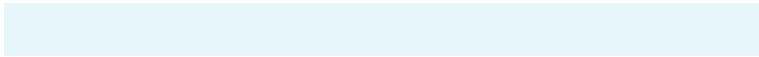
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



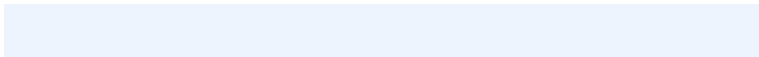
87.6862, 89.6946, 92.8120



85.4828, 89.6946, 89.4432



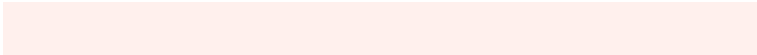
82.8633, 89.6946, 102.6784



85.0217, 89.6946, 106.3699

Sweetspot

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



87.6882, 89.6982, 92.8139



92.8992, 96.9949, 104.1859



89.0954, 88.8577, 104.5511



19.9068, 20.7924, 22.3494



0.0000, 0.0000, 0.0000



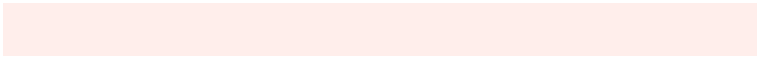
20.3446, 21.4041, 23.3091

Same Dimension

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



87.6882, 89.6982, 92.8139



86.7537, 88.3872, 90.7826



90.4022, 95.1262, 93.7186



18.2543, 18.4768, 18.7486



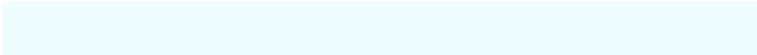
22.0633, 12.1377, 1.1800



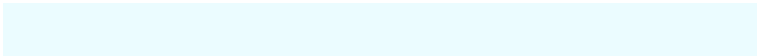
2.2137, 1.3128, 0.1367

Inverse Universe

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



87.7847, 94.8429, 108.2875



86.8623, 94.1807, 108.2083



85.0266, 89.3267, 107.3681



18.2816, 19.9348, 23.1342



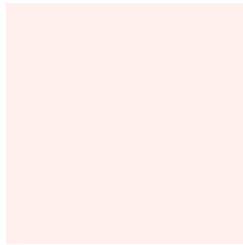
21.8858, 28.6812, 53.8171



2.1964, 2.9235, 5.2618

Previews

White Background



This preview shows how the XYZ color 87.6862, 89.6946, 92.8120 looks on a white background.

Color Contrast Check

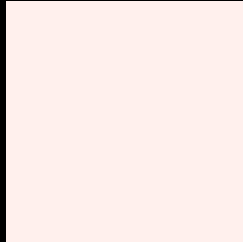
Large Text (above 18pt) WCAG AA × Fail

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 87.6862, 89.6946, 92.8120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

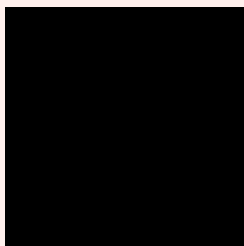
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

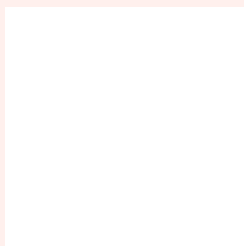
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.6862, 89.6946, 92.8120

Background



This preview shows how black text looks on a background with the XYZ color 87.6862, 89.6946, 92.8120.

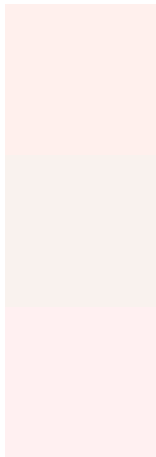


This preview shows how white text looks on a background with the XYZ color 87.6862, 89.6946,

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

87.6862, 89.6946, 92.8120

Protanopia

86.2517, 89.8170, 93.6794

Deuteranopia

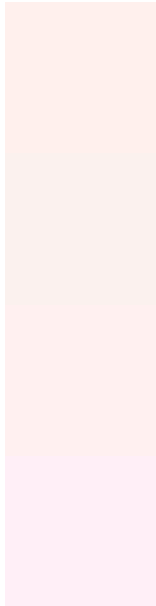
88.2773, 89.9311, 95.9248



Tritanopia

89.5442, 89.5009, 105.4844

Trichromacy



Original Color

87.6862, 89.6946, 92.8120

Protanomaly

86.6716, 89.5929, 93.6140

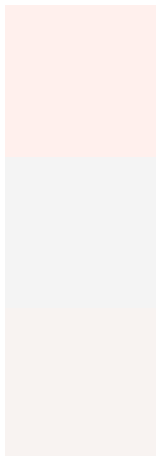
Deuteranomaly

88.1283, 89.8714, 95.1401

Tritanomaly

88.8950, 89.7084, 100.6259

Monochromacy



Original Color

87.6862, 89.6946, 92.8120

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.6392, 90.4085, 96.1033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.6862, 89.6946, 92.8120 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, 237) looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 237) }
```

Border

The CSS property to change the border of an element to XYZ 87.6862, 89.6946, 92.8120 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, 237) }
```


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

```
.border{ border-color:rgb(255, 240, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 87.6862, 89.6946, 92.8120 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
240, 237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor