

Converting Colors

XYZ(89.6013, 90.1827, 78.9854)

Have a look what the booklet for
XYZ(89.6013, 90.1827, 78.9854)
contains.

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Color

**XYZ(84.4694, 87.4710,
78.7612)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFEEDA
RGB	255, 238, 218
RGB Percent	100%, 93%, 85%
CMY	0.0000, 0.0666, 0.1451
CMYK	0.00, 0.07, 0.15, 0.00
HSL	32°, 100%, 93%
HSV	32°, 15%, 100%
XYZ	84.4694, 87.4710, 78.7612
YIQ	240.8030, 16.5520, -2.6160

Conversions

Conversions Part 2

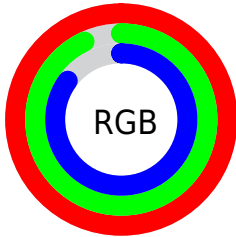
Format	Color
RYB	249, 255, 218
Decimal	16772826
CIELab	94.94, 2.54, 11.74
CIElCh	95, 12.009, 77.799
Yxy	87.4710, 0.3369, 0.3489
Android (android.graphics.Color)	4294962906 (0xFFFFEEDA)
YUV	240.8030, -11.2419, 12.4508
Hunter-Lab	93.5259, -2.4553, 15.5381

Details

The XYZ color **84.4694, 87.4710, 78.7612** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.6710, 81.5398, 106.3055**, and the grayscale version is **83.5325, 87.8827, 95.7042**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6275, 48.1060, 41.4782** is the 20% darker color. If you saturate the color by 10%, you get **78.0864, 79.6406, 61.4177**, and if you desaturate by 10%, it is **91.5918, 95.9579, 98.8862**.

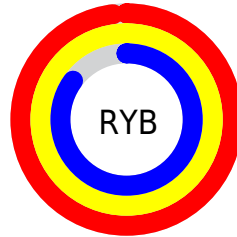
Distribution



Red (100%)

Green (93%)

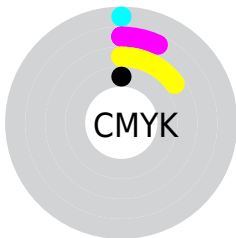
Blue (85%)



Red (98%)

Yellow (100%)

Blue (85%)

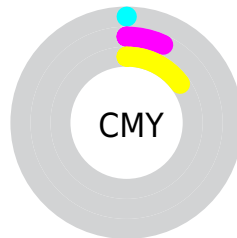


Cyan (0%)

Magenta (7%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.4694, 87.4710, 78.7612 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 84.4694, 87.4710, 78.7612 by changing the saturation by 10% instead.


 84.4694, 87.4710,
78.7612

 84.4694, 87.4710,
78.7612


498.3808,
519.7693, 510.3444

 63.7241, 65.8851,
58.1793


138.5495,
143.8205, 133.4182

 46.6881, 48.1791,
41.5372


172.6149,
179.3527, 168.3305

 32.9960, 33.9687,
28.4162


211.8511,
220.3026, 208.8566

 22.2826, 22.8696,
18.3979

256.6234,
267.0544, 255.4152

 14.1825, 14.4972,
11.0636

307.2972,
319.9926, 308.4247

 8.3302, 8.4673,
5.9949

364.2378,

 4.3606, 4.3954,

379.5016, 368.3037

2.7733

427.8106,
445.9657, 435.4707

■ 1.9081, 1.8971,
0.9801

■ 0.5815, 0.5466,
0.0000

■ 84.4694, 87.4710,
78.7612

■ 84.4694, 87.4710,
78.7612

■ 78.0864, 79.6406,
61.4177

■ 91.5918, 95.9579,
98.8862

■ 72.4091, 72.4379,
46.7256

95.0500, 100.0000,
108.9000

■ 67.4101, 65.8479,
34.5525

■ 63.0574, 59.8507,
24.7524

■ 59.3161, 54.4251,
17.1640

■ 56.1472, 49.5478,
11.6057

■ 53.5062, 45.1930,
7.8664

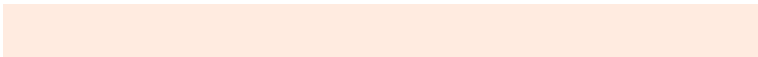
■ 51.3390, 41.3311,
5.6874

■ 50.3105, 39.4011,
4.9535

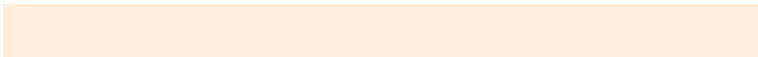
Harmonies

Analogous

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



87.4175, 87.4710, 82.5604



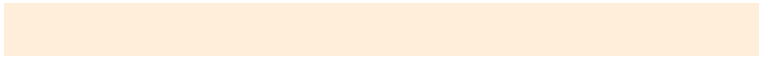
84.4694, 87.4710, 78.7612



81.2385, 87.4710, 79.1614

Triad

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



84.4694, 87.4710, 78.7612



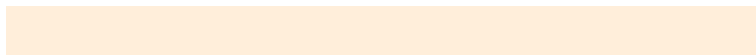
77.3161, 87.4710, 100.8305



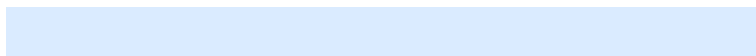
87.8656, 87.4710, 107.8067

Complementary

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



84.4694, 87.4710, 78.7612



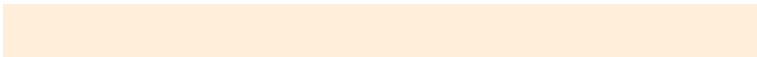
76.6710, 81.5398, 106.3055

Split Complementary

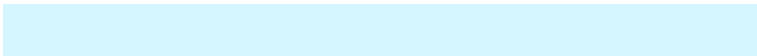
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0680, 87.4710, 113.3628



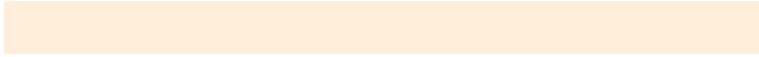
84.4694, 87.4710, 78.7612



79.0015, 87.4710, 109.1578

Square

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



84.4694, 87.4710, 78.7612



77.1653, 87.4710, 91.4999



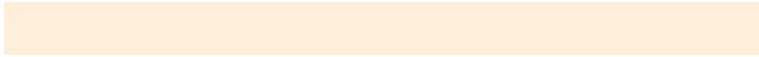
81.8218, 87.4710, 113.8729



89.4124, 87.4710, 99.0828

Rectangle

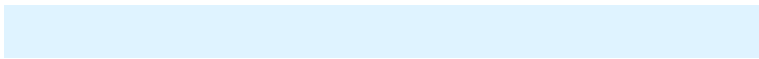
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.4694, 87.4710, 78.7612



79.3583, 87.4710, 81.7578



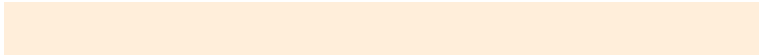
81.8218, 87.4710, 113.8729



87.0370, 87.4710, 110.1307

Sweetspot

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



84.4715, 87.4747, 78.7630



91.9745, 96.4075, 99.9871



81.3460, 77.4173, 89.4558



19.5655, 20.4931, 21.0537



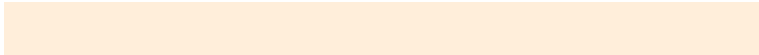
0.0000, 0.0000, 0.0000



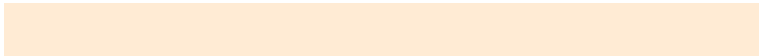
20.3446, 21.4041, 23.3091

Same Dimension

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



84.4715, 87.4747, 78.7630



82.8133, 85.4633, 74.1875



89.2028, 97.6089, 80.4698



18.8231, 19.6143, 18.9382



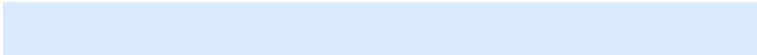
26.4395, 20.8903, 2.6387



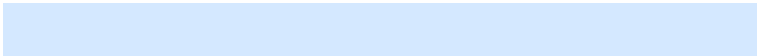
2.6836, 2.2527, 0.2934

Inverse Universe

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



76.6710, 81.5398, 106.3055



73.8338, 78.6316, 105.8937



72.4060, 72.4603, 104.7778



17.6905, 18.7525, 22.9372



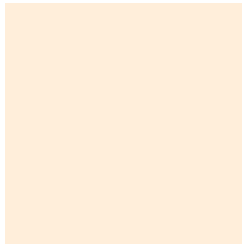
12.9084, 10.7264, 50.8246



1.3646, 1.2599, 4.9845

Previews

White Background



This preview shows how the XYZ color 84.4694, 87.4710, 78.7612 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 84.4694, 87.4710, 78.7612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

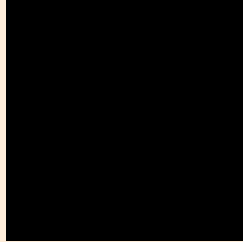
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.4694, 87.4710, 78.7612

Background



This preview shows how black text looks on a background with the XYZ color 84.4694, 87.4710, 78.7612.



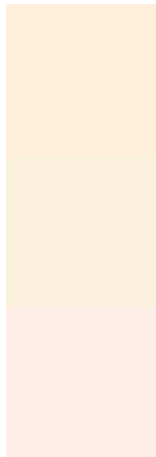
This preview shows how white text looks on a background with the XYZ color 84.4694, 87.4710,

78.7612.

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

84.4694, 87.4710, 78.7612

Protanopia

83.3706, 87.7586, 79.5628

Deuteranopia

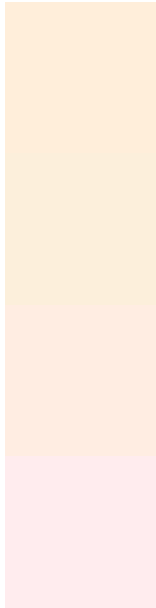
85.9480, 87.5979, 87.9794



Tritanopia

88.0472, 87.5162, 101.8743

Trichromacy



Original Color

84.4694, 87.4710, 78.7612

Protanomaly

83.7976, 87.5429, 79.4987

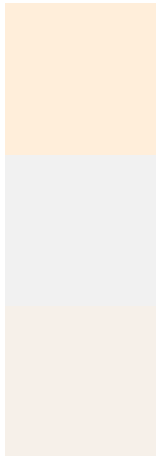
Deuteranomaly

85.2517, 87.3194, 84.3126

Tritanomaly

86.6681, 87.4240, 93.1955

Monochromacy



Original Color

84.4694, 87.4710, 78.7612

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.8741, 87.7962, 89.6165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.4694, 87.4710, 78.7612 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, 218) looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 218)  
}
```

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, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 218) }
```

Border

The CSS property to change the border of an element to XYZ 84.4694, 87.4710, 78.7612 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, 218) }
```


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

```
.border{ border-color:rgb(255, 238, 218) }
```

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, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 84.4694, 87.4710, 78.7612 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, 218) }
```

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

```
.background{ background-color: rgb(255,  
238, 218) }
```

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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