

Converting Colors

XYZ(119.1541, 104.3483,
85.5059)

Have a look what the booklet for
XYZ(119.1541, 104.3483, 85.5059)
contains.

XYZ(84.9629, 86.7419, 84.2163)	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(84.9629, 86.7419,
84.2163)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECE2
RGB	255, 236, 226
RGB Percent	100%, 93%, 89%
CMY	0.0000, 0.0745, 0.1137
CMYK	0.00, 0.07, 0.11, 0.00
HSL	21°, 100%, 94%
HSV	21°, 11%, 100%
XYZ	84.9629, 86.7419, 84.2163
YIQ	240.5410, 14.5340, 0.9180

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 241, 226
Decimal	16772322
CIE Lab	94.63, 4.80, 7.15
CIE LCh	95, 8.616, 56.107
Yxy	86.7419, 0.3320, 0.3389
Android (android.graphics.Color)	4294962402 (0xFFFFE2E2)
YUV	240.5410, -7.1687, 12.6805
Hunter-Lab	93.1353, -0.1498, 11.5826

Details

The XYZ color **84.9629, 86.7419, 84.2163** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.0656, 88.6911, 107.4015**, and the grayscale version is **83.2967, 87.6346, 95.4341**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9606, 47.5886, 45.2385** is the 20% darker color. If you saturate the color by 10%, you get **77.1349, 76.2753, 65.6086**, and if you desaturate by 10%, it is **93.7651, 98.3234, 105.7183**.

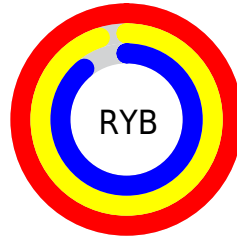
Distribution



Red (100%)

Green (93%)

Blue (89%)



Red (100%)

Yellow (95%)

Blue (89%)



Cyan (0%)

Magenta (7%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.9629, 86.7419, 84.2163 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 84.9629, 86.7419, 84.2163 by changing the saturation by 10% instead.


 84.9629, 86.7419,
84.2163

 84.9629, 86.7419,
84.2163


499.9908,
517.3744, 529.1080

 64.1331, 65.2816,
62.6476


139.2356,
142.8043, 141.1421

 47.0206, 47.6895,
45.1170


173.4093,
178.1753, 177.3364

 33.2599, 33.5811,
31.2060


212.7616,
218.9520, 219.2428

 22.4858, 22.5719,
20.4960

257.6580,
265.5187, 267.2801

 14.3329, 14.2778,
12.5684

308.4637,
318.2599, 321.8667

 8.4358, 8.3141,
7.0048

365.5442,

 4.4292, 4.2966,

377.5600, 383.4212

3.3866

429.2648,
443.8034, 452.3622

■ 1.9477, 1.8408,
1.2953

■ 0.6043, 0.5124,
0.0579

■ 84.9629, 86.7419,
84.2163

■ 84.9629, 86.7419,
84.2163

■ 77.1349, 76.2753,
65.6086

■ 93.7651, 98.3234,
105.7183

■ 70.2399, 66.8790,
49.7652

95.0500, 100.0000,
108.9000

■ 64.2426, 58.5212,
36.5540

■ 59.1027, 51.1644,
25.8300

■ 54.7770, 44.7685,
17.4340

■ 51.2175, 39.2908,
11.1880

■ 48.3707, 34.6842,
6.8880

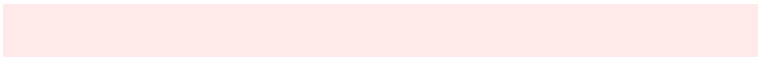
■ 46.1743, 30.8969,
4.2892

■ 44.7277, 28.2355,
3.0926

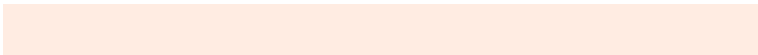
Harmonies

Analogous

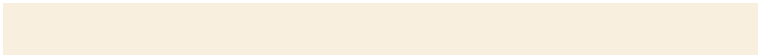
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5241, 86.7419, 88.9261



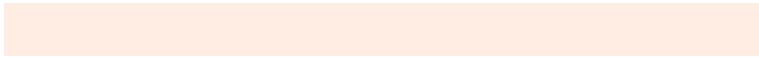
84.9629, 86.7419, 84.2163



82.7494, 86.7419, 82.2445

Triad

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



84.9629, 86.7419, 84.2163



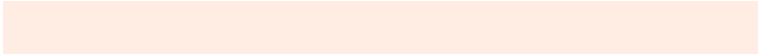
78.0667, 86.7419, 93.5809



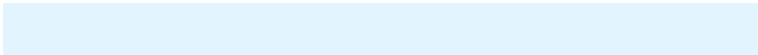
84.4279, 86.7419, 106.4129

Complementary

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



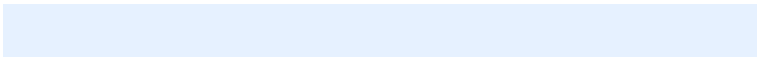
84.9629, 86.7419, 84.2163



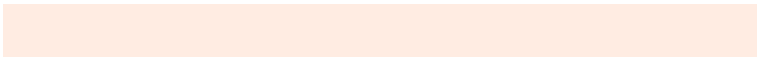
82.0656, 88.6911, 107.4015

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.



82.1425, 86.7419, 107.8009



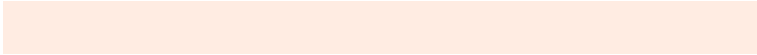
84.9629, 86.7419, 84.2163



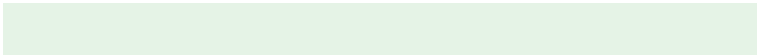
78.4972, 86.7419, 100.1921

Square

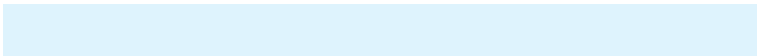
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9629, 86.7419, 84.2163



78.7912, 86.7419, 87.4882



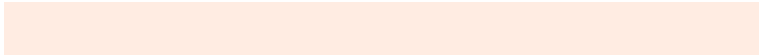
79.9785, 86.7419, 105.4748



86.2112, 86.7419, 101.7658

Rectangle

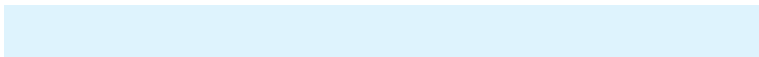
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9629, 86.7419, 84.2163



81.2119, 86.7419, 82.6765



79.9785, 86.7419, 105.4748



83.6917, 86.7419, 107.2852

Sweetspot

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



84.9649, 86.7455, 84.2181



92.2649, 96.3616, 102.0159



84.9693, 82.2666, 98.0544



19.5924, 20.4209, 21.4516



0.0000, 0.0000, 0.0000



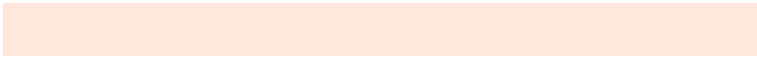
20.3446, 21.4041, 23.3091

Same Dimension

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



84.9649, 86.7455, 84.2181



82.8145, 83.8879, 79.0523



89.2052, 95.2261, 85.6316



18.5217, 19.0117, 18.8378



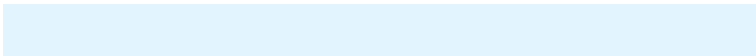
23.4959, 15.0031, 1.6575



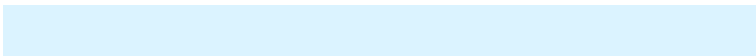
2.3849, 1.6552, 0.1938

Inverse Universe

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



82.0656, 88.6911, 107.4015



79.3097, 86.2385, 107.0734



77.9442, 80.4484, 106.0277



17.9964, 19.3643, 23.0391



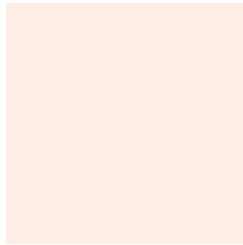
16.7991, 18.5078, 52.1215



1.7377, 2.0060, 5.1089

Previews

White Background



This preview shows how the XYZ color 84.9629, 86.7419, 84.2163 looks on a white background.

Color Contrast Check

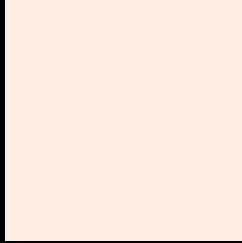
Large Text (above 18pt) WCAG AA × Fail

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 84.9629, 86.7419, 84.2163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

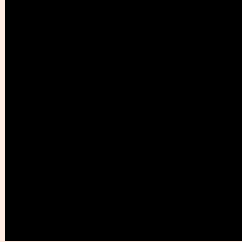
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.9629, 86.7419, 84.2163

Background



This preview shows how black text looks on a background with the XYZ color 84.9629, 86.7419, 84.2163.



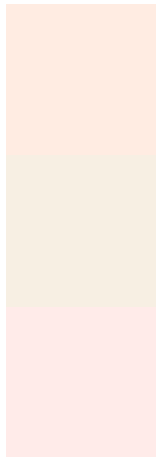
This preview shows how white text looks on a background with the XYZ color 84.9629, 86.7419,

84.2163.

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

84.9629, 86.7419, 84.2163

Protanopia

83.0894, 87.0532, 85.0967

Deuteranopia

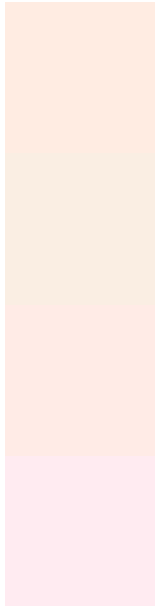
85.6563, 86.5599, 89.2839



Tritanopia

87.7617, 86.9452, 101.7791

Trichromacy



Original Color

84.9629, 86.7419, 84.2163

Protanomaly

83.8640, 87.0191, 85.0493

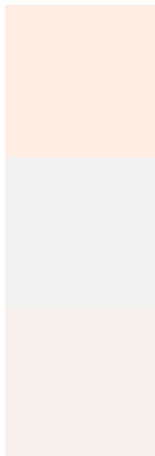
Deuteranomaly

85.2313, 86.3898, 87.0456

Tritanomaly

86.8255, 87.0275, 95.4409

Monochromacy



Original Color

84.9629, 86.7419, 84.2163

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.0129, 87.3820, 91.7953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9629, 86.7419, 84.2163 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, 236, 226) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 226)  
}
```

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, 236, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 226) }
```

Border

The CSS property to change the border of an element to XYZ 84.9629, 86.7419, 84.2163 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, 236, 226) }
```


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

```
.border{ border-color:rgb(255, 236, 226) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9629, 86.7419, 84.2163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 226) }
```

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

```
.background{ background-color: rgb(255,  
236, 226) }
```

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