

Converting Colors

XYZ(100.7619, 97.6661,
85.3014)

Have a look what the booklet for
XYZ(100.7619, 97.6661, 85.3014)
contains.

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Color

**XYZ(86.7196, 90.2552,
84.8019)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2E2
RGB	255, 242, 226
RGB Percent	100%, 95%, 89%
CMY	0.0000, 0.0510, 0.1137
CMYK	0.00, 0.05, 0.11, 0.00
HSL	33°, 100%, 94%
HSV	33°, 11%, 100%
XYZ	86.7196, 90.2552, 84.8019
YIQ	244.0630, 12.8840, -2.2200

Conversions

Conversions Part 2

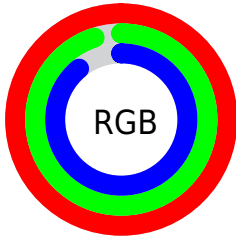
Format	Color
R_{YB}	250, 255, 226
Decimal	16773858
CIE Lab	96.10, 1.75, 9.27
CIE LCh	96, 9.432, 79.316
Yxy	90.2552, 0.3313, 0.3448
Android (android.graphics.Color)	4294963938 (0xFFFFF2E2)
YUV	244.0630, -8.9051, 9.5917
Hunter-Lab	95.0027, -3.3179, 13.5781

Details

The XYZ color 86.7196, 90.2552, 84.8019 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 80.2799, 85.1196, 106.8063, and the grayscale version is 86.1031, 90.5871, 98.6494.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.1983, 50.0639, 45.6510 is the 20% darker color. If you saturate the color by 10%, you get 80.1825, 82.3704, 66.6246, and if you desaturate by 10%, it is 93.9938, 98.7807, 105.7947.

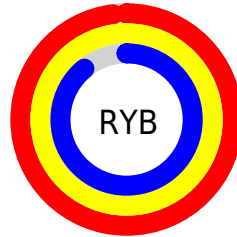
Distribution



Red (100%)

Green (95%)

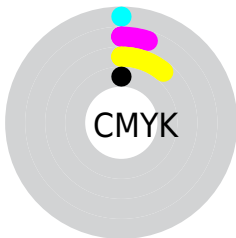
Blue (89%)



Red (98%)

Yellow (100%)

Blue (89%)

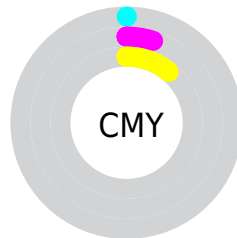


Cyan (0%)

Magenta (5%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.7196, 90.2552, 84.8019 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 86.7196, 90.2552, 84.8019 by changing the saturation by 10% instead.


 86.7196, 90.2552,
84.8019

 86.7196, 90.2552,
84.8019


505.6994,
528.8607, 531.0998

 65.5904, 68.1923,
63.1285


141.6749,
147.6928, 141.9681

 48.2065, 50.0542,
45.5035


176.2318,
183.8364, 178.2979

 34.2024, 35.4565,
31.5084


215.9953,
225.4423, 220.3503

 23.2127, 24.0147,
20.7246

261.3307,
272.8949, 268.5439

 14.8722, 15.3445,
12.7335

312.6035,
326.5786, 323.2970

 8.8155, 9.0615,
7.1168

370.1790,

 4.6772, 4.7813,

386.8779, 385.0284

3.4557

434.4225,
454.1771, 454.1565

■ 2.0919, 2.1196,
1.3318

■ 0.6848, 0.6756,
0.0876

■ 86.7196, 90.2552,
84.8019

■ 86.7196, 90.2552,
84.8019

■ 80.1825, 82.3704,
66.6246

■ 93.9938, 98.7807,
105.7947

■ 74.3496, 75.0982,
51.1351

■ 95.0500, 100.0000,
108.9000

■ 69.1943, 68.4246,
38.2046

■ 64.6860, 62.3308,
27.6911

■ 60.7910, 56.7966,
19.4387

■ 57.4722, 51.8002,
13.2730

■ 54.6873, 47.3174,
8.9935

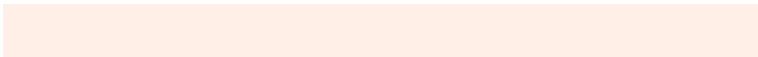
■ 52.3863, 43.3209,
6.3599

■ 50.7260, 40.2319,
5.0920

Harmonies

Analogous

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



89.1016, 90.2552, 87.7613



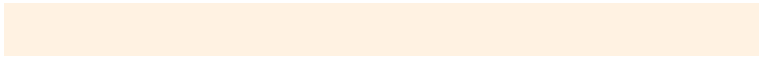
86.7196, 90.2552, 84.8019



84.1339, 90.2552, 85.3109

Triad

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



86.7196, 90.2552, 84.8019



81.1308, 90.2552, 103.1087



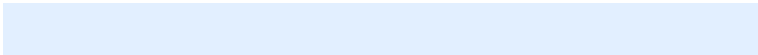
89.6510, 90.2552, 107.9530

Complementary

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



86.7196, 90.2552, 84.8019



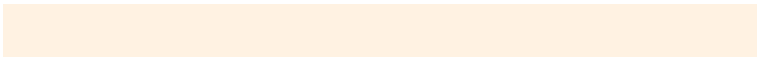
80.2799, 85.1196, 106.8063

Split Complementary

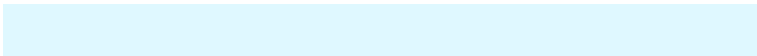
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4573, 90.2552, 112.4848



86.7196, 90.2552, 84.8019



82.5515, 90.2552, 109.5913

Square

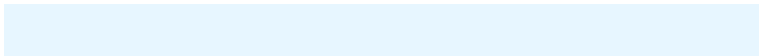
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7196, 90.2552, 84.8019



80.9424, 90.2552, 95.6293



84.8569, 90.2552, 113.0992



90.8167, 90.2552, 100.9641

Rectangle

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



86.7196, 90.2552, 84.8019



82.6411, 90.2552, 87.5566



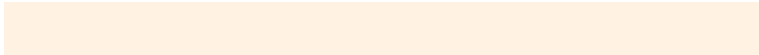
84.8569, 90.2552, 113.0992



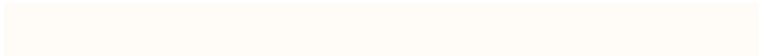
89.0073, 90.2552, 109.8290

Sweetspot

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



86.7217, 90.2590, 84.8038



92.7587, 97.3494, 102.1805



84.0244, 81.8887, 93.0784



19.7256, 20.6872, 21.4960



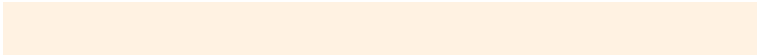
0.0000, 0.0000, 0.0000



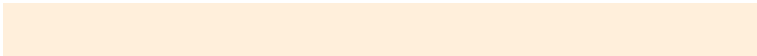
20.3446, 21.4041, 23.3091

Same Dimension

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



86.7217, 90.2590, 84.8038



84.9331, 88.1251, 79.7585



90.1963, 97.9971, 86.1143



18.8406, 19.6493, 18.9440



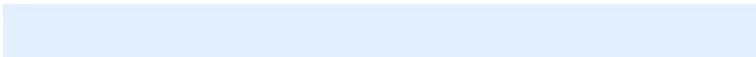
26.6568, 21.3248, 2.7111



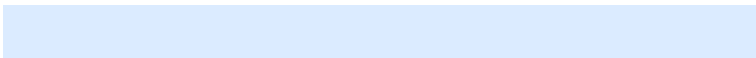
2.7046, 2.2945, 0.3003

Inverse Universe

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



80.2799, 85.1196, 106.8063



77.1472, 81.9135, 106.3525



77.0681, 78.0181, 105.6048



17.6732, 18.7179, 22.9314



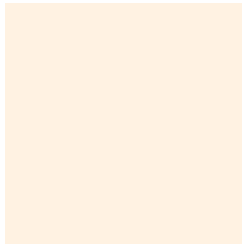
12.7352, 10.3801, 50.7669



1.3471, 1.2249, 4.9787

Previews

White Background



This preview shows how the XYZ color 86.7196, 90.2552, 84.8019 looks on a white background.

Color Contrast Check

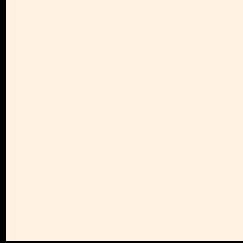
Large Text (above 18pt) WCAG AA × Fail

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 86.7196, 90.2552, 84.8019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

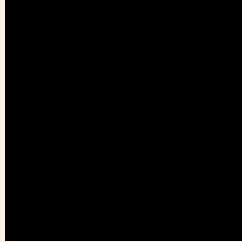
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.7196, 90.2552, 84.8019

Background



This preview shows how black text looks on a background with the XYZ color 86.7196, 90.2552, 84.8019.

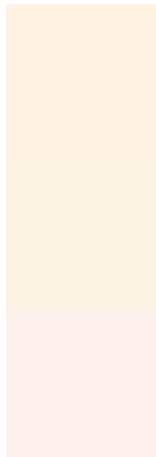


This preview shows how white text looks on a background with the XYZ color 86.7196, 90.2552,

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

86.7196, 90.2552, 84.8019

Protanopia

85.9229, 90.2876, 84.8501

Deuteranopia

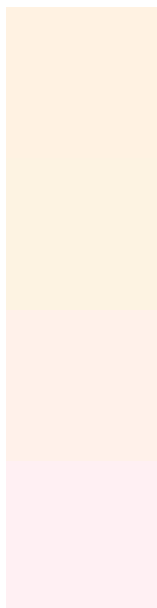
88.1279, 90.3436, 93.6821



Tritanopia

89.8361, 90.0849, 105.5817

Trichromacy



Original Color

86.7196, 90.2552, 84.8019

Protanomaly

86.2861, 90.4748, 84.8671

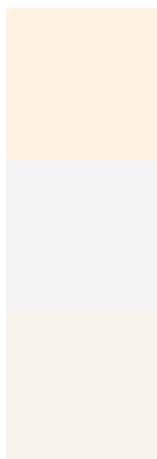
Deuteranomaly

87.5466, 90.1111, 90.6209

Tritanomaly

88.5778, 90.0512, 97.5071

Monochromacy



Original Color

86.7196, 90.2552, 84.8019

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.0481, 90.1721, 92.9905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7196, 90.2552, 84.8019 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 226) }
```

Border

The CSS property to change the border of an element to XYZ 86.7196, 90.2552, 84.8019 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, 226) }
```


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

```
.border{ border-color:rgb(255, 242, 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, 242, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7196, 90.2552, 84.8019 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
242, 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](#).

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