

Converting Colors

XYZ(86.5929, 90.9023, 81.9838)

Have a look what the booklet for
XYZ(86.5929, 90.9023, 81.9838)
contains.

XYZ(86.4754, 90.6351, 82.0438)	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(86.4754, 90.6351,
82.0438)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3DE
RGB	255, 243, 222
RGB Percent	100%, 95%, 87%
CMY	0.0000, 0.0470, 0.1294
CMYK	0.00, 0.05, 0.13, 0.00
HSL	38°, 100%, 94%
HSV	38°, 13%, 100%
XYZ	86.4754, 90.6351, 82.0438
YIQ	244.1940, 13.8930, -3.9870

Conversions

Conversions Part 2

Format	Color
R_{YB}	241, 255, 222
Decimal	16774110
CIE Lab	96.26, 0.62, 11.56
CIE LCh	96, 11.573, 86.948
Yxy	90.6351, 0.3337, 0.3497
Android (android.graphics.Color)	4294964190 (0xFFFFF3DE)
YUV	244.1940, -10.9416, 9.4769
Hunter-Lab	95.2025, -4.4671, 15.5467

Details

The XYZ color **86.4754, 90.6351, 82.0438** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.5963, 81.5930, 106.2670**, and the grayscale version is **86.2233, 90.7136, 98.7871**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.0341, 50.3364, 43.7435** is the 20% darker color. If you saturate the color by 10%, you get **80.6092, 83.9648, 64.4828**, and if you desaturate by 10%, it is **93.0028, 97.7999, 102.3777**.

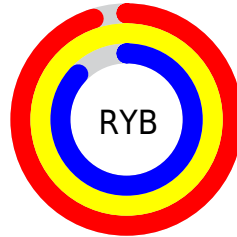
Distribution



Red (100%)

Green (95%)

Blue (87%)



Red (95%)

Yellow (100%)

Blue (87%)



Cyan (0%)

Magenta (5%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.4754, 90.6351, 82.0438 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 86.4754, 90.6351, 82.0438 by changing the saturation by 10% instead.


 86.4754, 90.6351,
82.0438

 86.4754, 90.6351,
82.0438


504.9079,
530.0946, 521.6815

 65.3877, 68.5075,
60.8656


141.3361,
148.2203, 138.0727

 48.0414, 50.3107,
43.6869


175.8399,
184.4466, 173.7604

 34.0711, 35.6604,
30.0890


215.5465,
226.1414, 215.1218

 23.1114, 24.1720,
19.6535

260.8211,
273.6889, 262.5753

 14.7969, 15.4613,
11.9619

312.0292,
327.4736, 316.5394

 8.7624, 9.1437,
6.5955

369.5362,

 4.6424, 4.8351,

387.8798, 377.4328

3.1359

433.7073,
455.2921, 445.6740

■ 2.0716, 2.1508,
1.1644

■ 0.6737, 0.6930,
0.0000

■ 86.4754, 90.6351,
82.0438

■ 86.4754, 90.6351,
82.0438

■ 80.6092, 83.9648,
64.4828

■ 93.0028, 97.7999,
102.3777

■ 75.3728, 77.7643,
49.5664

95.0500, 100.0000,
108.9000

■ 70.7412, 72.0231,
37.1648

■ 66.6853, 66.7262,
27.1346

■ 63.1730, 61.8573,
19.3182

■ 60.1686, 57.3984,
13.5383

■ 57.6310, 53.3295,
9.5902

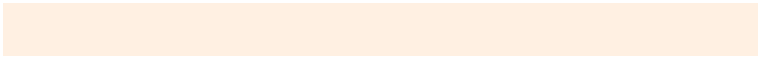
■ 55.5109, 49.6270,
7.2256

■ 54.2160, 47.2120,
6.2553

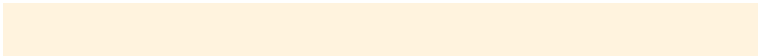
Harmonies

Analogous

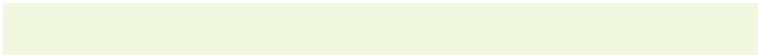
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5612, 90.6351, 84.5800



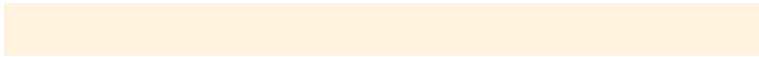
86.4754, 90.6351, 82.0438



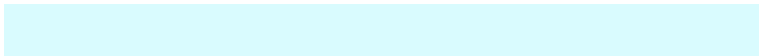
83.3750, 90.6351, 83.7326

Triad

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



86.4754, 90.6351, 82.0438



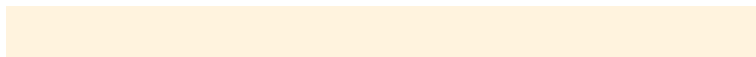
80.7527, 90.6351, 106.9279



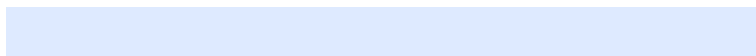
91.4313, 90.6351, 108.6590

Complementary

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



86.4754, 90.6351, 82.0438



77.5963, 81.5930, 106.2670

Split Complementary

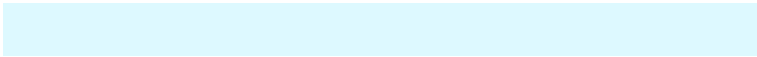
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.9776, 90.6351, 115.3220



86.4754, 90.6351, 82.0438



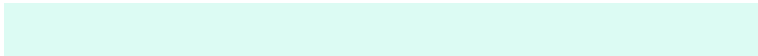
82.8186, 90.6351, 114.2797

Square

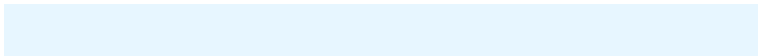
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.4754, 90.6351, 82.0438



80.1199, 90.6351, 97.7469



85.8173, 90.6351, 117.4395



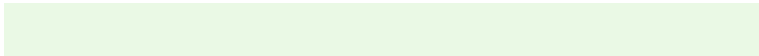
92.4668, 90.6351, 99.6316

Rectangle

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



86.4754, 90.6351, 82.0438



81.7077, 90.6351, 87.0884



85.8173, 90.6351, 117.4395



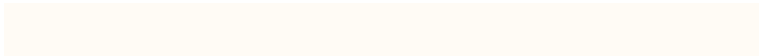
90.7421, 90.6351, 111.2705

Sweetspot

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



86.4775, 90.6389, 82.0457



92.2796, 97.0177, 100.0888



82.2276, 79.4498, 88.9196



19.6427, 20.6476, 21.0795



0.0000, 0.0000, 0.0000



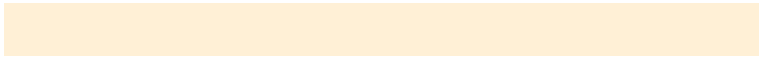
20.3446, 21.4041, 23.3091

Same Dimension

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



86.4775, 90.6389, 82.0457



84.6135, 88.5459, 76.3838



88.5848, 97.2291, 83.2067



18.9735, 19.9152, 18.9883



28.4760, 24.9633, 3.3175



2.8766, 2.6385, 0.3577

Inverse Universe

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



77.5963, 81.5930, 106.2670



73.8674, 77.6012, 105.6930



75.6619, 75.6973, 105.2310



17.5435, 18.4586, 22.8882



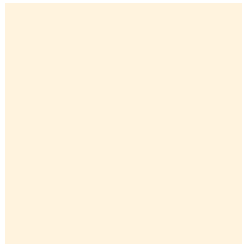
11.5914, 8.0923, 50.3856



1.2281, 0.9869, 4.9390

Previews

White Background



This preview shows how the XYZ color 86.4754, 90.6351, 82.0438 looks on a white background.

Color Contrast Check

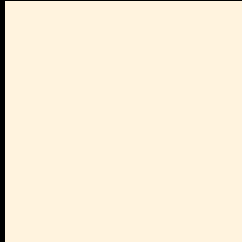
Large Text (above 18pt) WCAG AA × Fail

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 86.4754, 90.6351, 82.0438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

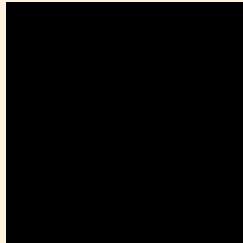
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.4754, 90.6351, 82.0438

Background



This preview shows how black text looks on a background with the XYZ color 86.4754, 90.6351, 82.0438.



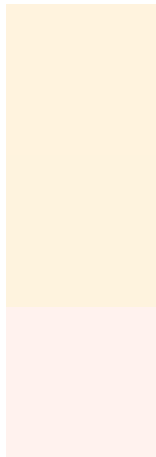
This preview shows how white text looks on a background with the XYZ color 86.4754, 90.6351,

82.0438.

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

86.4754, 90.6351, 82.0438

Protanopia

86.1085, 90.4459, 82.0267

Deuteranopia

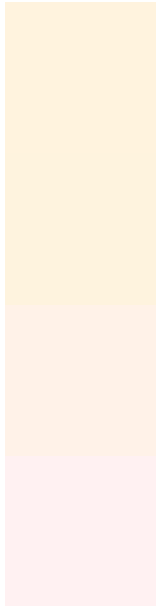
88.4247, 90.9373, 93.7811



Tritanopia

90.1297, 90.6720, 105.6796

Trichromacy



Original Color

86.4754, 90.6351, 82.0438

Protanomaly

86.1085, 90.4459, 82.0267

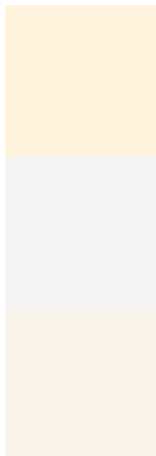
Deuteranomaly

87.5576, 90.5905, 89.2149

Tritanomaly

88.7223, 90.5814, 96.8122

Monochromacy



Original Color

86.4754, 90.6351, 82.0438

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.2024, 90.7140, 92.3231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.4754, 90.6351, 82.0438 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, 243, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 222)  
}
```

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, 243, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 222) }
```

Border

The CSS property to change the border of an element to XYZ 86.4754, 90.6351, 82.0438 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, 243, 222) }
```


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

```
.border{ border-color:rgb(255, 243, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 86.4754, 90.6351, 82.0438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 222) }
```

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

```
.background{ background-color: rgb(255,  
243, 222) }
```

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