

Converting Colors

XYZ(86.0368, 90.3318, 80.1282)

Have a look what the booklet for
XYZ(86.0368, 90.3318, 80.1282)
contains.

XYZ(86.0768, 90.4757, 79.9446)	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(86.0768, 90.4757,
79.9446)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3DB
RGB	255, 243, 219
RGB Percent	100%, 95%, 86%
CMY	0.0000, 0.0470, 0.1412
CMYK	0.00, 0.05, 0.14, 0.00
HSL	40°, 100%, 93%
HSV	40°, 14%, 100%
XYZ	86.0768, 90.4757, 79.9446
YIQ	243.8520, 14.8560, -4.9200

Conversions

Conversions Part 2

Format	Color
R_{YB}	237, 255, 219
Decimal	16774107
CIE Lab	96.19, 0.15, 13.01
CIE LCh	96, 13.009, 89.320
Yxy	90.4757, 0.3356, 0.3527
Android (android.graphics.Color)	4294964187 (0xFFFFF3DB)
YUV	243.8520, -12.2520, 9.7768
Hunter-Lab	95.1187, -4.9258, 16.7515

Details

The XYZ color **86.0768, 90.4757, 79.9446** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.8386, 79.4296, 105.9421**, and the grayscale version is **85.9592, 90.4358, 98.4845**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.7599, 50.2268, 42.2995** is the 20% darker color. If you saturate the color by 10%, you get **80.4901, 84.2693, 62.7694**, and if you desaturate by 10%, it is **92.2997, 97.1308, 99.8714**.

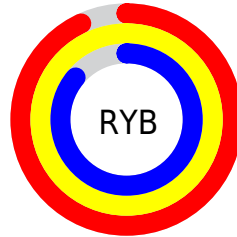
Distribution



Red (100%)

Green (95%)

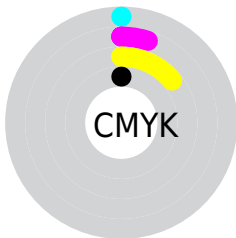
Blue (86%)



Red (93%)

Yellow (100%)

Blue (86%)

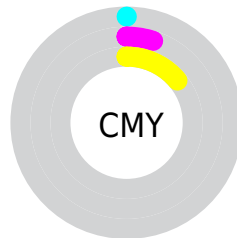


Cyan (0%)

Magenta (5%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.0768, 90.4757, 79.9446 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 86.0768, 90.4757, 79.9446 by changing the saturation by 10% instead.

 86.0768, 90.4757,
79.9446

 86.0768, 90.4757,
79.9446


503.6146,
529.5771, 514.4480

 65.0570, 68.3753,
59.1469


140.7829,
147.9990, 135.0985

 47.7721, 50.2031,
42.3106


175.1999,
184.1906, 170.2918

 33.8570, 35.5748,
29.0172


214.8134,
225.8481, 211.1207

 22.9461, 24.1060,
18.8481

259.9886,
273.3558, 258.0037

 14.6742, 15.4123,
11.3849

311.0910,
327.0982, 311.3594

 8.6759, 9.1092,
6.2089

368.4859,

 4.5858, 4.8125,

387.4596, 371.6063

2.9017

432.5386,
454.8244, 439.1630

■ 2.0386, 2.1377,
1.0447

■ 0.6555, 0.6857,
0.0000

■ 86.0768, 90.4757,
79.9446

■ 86.0768, 90.4757,
79.9446

■ 80.4901, 84.2693,
62.7694

■ 92.2997, 97.1308,
99.8714

■ 75.5083, 78.4878,
48.2166

95.0500, 100.0000,
108.9000

■ 71.1070, 73.1215,
36.1553

■ 67.2570, 68.1564,
26.4408

■ 63.9265, 63.5769,
18.9137

■ 61.0798, 59.3661,
13.3941

■ 58.6756, 55.5046,
9.6734

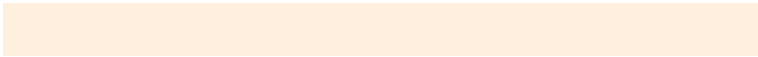
■ 56.6637, 51.9695,
7.4966

■ 55.6223, 50.0246,
6.7241

Harmonies

Analogous

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



89.5844, 90.4757, 82.3883



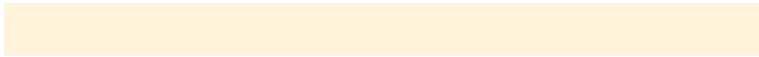
86.0768, 90.4757, 79.9446



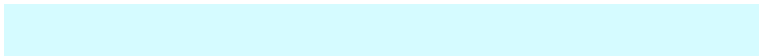
82.6405, 90.4757, 82.1791

Triad

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



86.0768, 90.4757, 79.9446



80.0842, 90.4757, 108.5698



92.1023, 90.4757, 109.0062

Complementary

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



86.0768, 90.4757, 79.9446



75.8386, 79.4296, 105.9421

Split Complementary

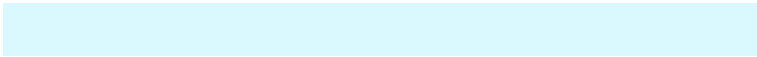
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4379, 90.4757, 116.8786



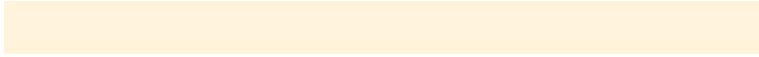
86.0768, 90.4757, 79.9446



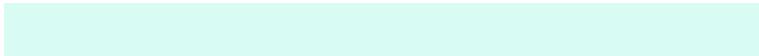
82.5017, 90.4757, 116.6145

Square

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



86.0768, 90.4757, 79.9446



79.2398, 90.4757, 98.2770



85.9121, 90.4757, 119.7538



93.1224, 90.4757, 98.7486

Rectangle

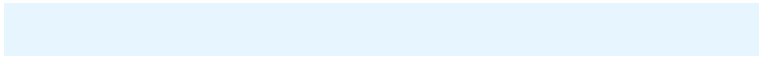
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.0768, 90.4757, 79.9446



80.8379, 90.4757, 86.1165



85.9121, 90.4757, 119.7538



91.3657, 90.4757, 112.0447

Sweetspot

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



86.0789, 90.4795, 79.9465



92.3763, 97.2112, 100.1211



80.9960, 77.6936, 86.3296



19.6672, 20.6967, 21.0877



0.0000, 0.0000, 0.0000



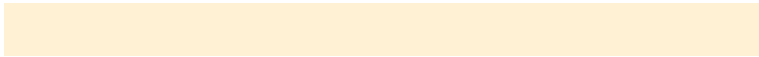
20.3446, 21.4041, 23.3091

Same Dimension

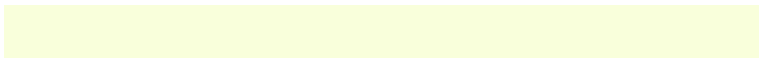
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0789, 90.4795, 79.9465



84.4038, 88.6444, 74.7176



87.6134, 96.7744, 81.0807



19.0215, 20.0111, 19.0043



29.2068, 26.4249, 3.5611



2.9443, 2.7740, 0.3802

Inverse Universe

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



75.8386, 79.4296, 105.9421



72.3223, 75.6085, 105.3898



74.4338, 73.8918, 104.9472



17.4974, 18.3665, 22.8728



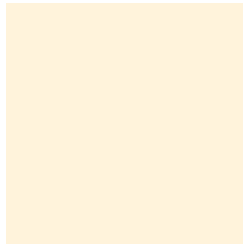
11.2491, 7.4079, 50.2715



1.1909, 0.9125, 4.9266

Previews

White Background



This preview shows how the XYZ color 86.0768, 90.4757, 79.9446 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 86.0768, 90.4757, 79.9446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

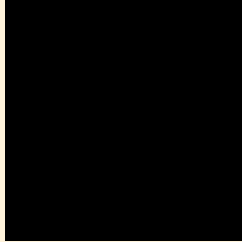
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.0768, 90.4757, 79.9446

Background



This preview shows how black text looks on a background with the XYZ color 86.0768, 90.4757, 79.9446.



This preview shows how white text looks on a background with the XYZ color 86.0768, 90.4757,

79.9446.

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

86.0768, 90.4757, 79.9446

Protanopia

85.7098, 90.2865, 79.9275

Deuteranopia

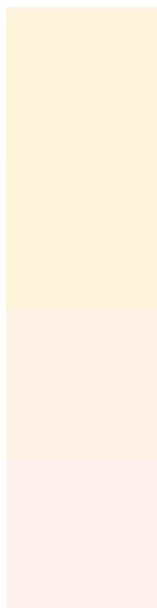
87.9814, 90.2850, 92.9104



Tritanopia

89.9708, 90.6085, 104.8427

Trichromacy



Original Color

86.0768, 90.4757, 79.9446

Protanomaly

85.7098, 90.2865, 79.9275

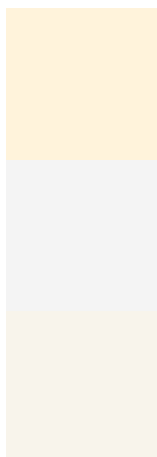
Deuteranomaly

87.2751, 90.4774, 87.7269

Tritanomaly

88.4235, 90.4619, 95.2385

Monochromacy



Original Color

86.0768, 90.4757, 79.9446

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

86.0575, 90.6560, 91.5599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.0768, 90.4757, 79.9446 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 219) }
```

Border

The CSS property to change the border of an element to XYZ 86.0768, 90.4757, 79.9446 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, 219) }
```


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

```
.border{ border-color:rgb(255, 243, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 86.0768, 90.4757, 79.9446 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, 219) }
```

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

```
.background{ background-color: rgb(255,  
243, 219) }
```

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