

Converting Colors

XYZ(86.4118, 90.8025, 81.1144)

Have a look what the booklet for
XYZ(86.4118, 90.8025, 81.1144)
contains.

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Color

**XYZ(86.3417, 90.5816,
81.3399)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3DD
RGB	255, 243, 221
RGB Percent	100%, 95%, 87%
CMY	0.0000, 0.0470, 0.1333
CMYK	0.00, 0.05, 0.13, 0.00
HSL	39°, 100%, 93%
HSV	39°, 13%, 100%
XYZ	86.3417, 90.5816, 81.3399
YIQ	244.0800, 14.2140, -4.2980

Conversions

Conversions Part 2

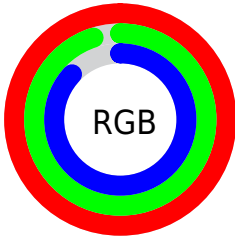
Format	Color
R _Y B	240, 255, 221
Decimal	16774109
CIE Lab	96.24, 0.46, 12.04
CIE LCh	96, 12.049, 87.805
Yxy	90.5816, 0.3343, 0.3507
Android (android.graphics.Color)	4294964189 (0xFFFFF3DD)
YUV	244.0800, -11.3784, 9.5768
Hunter-Lab	95.1744, -4.6209, 15.9504

Details

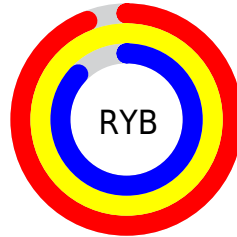
The XYZ color **86.3417, 90.5816, 81.3399** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.0070, 80.8678, 106.1581**, and the grayscale version is **86.1352, 90.6209, 98.6861**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9420, 50.2996, 43.2584** is the 20% darker color. If you saturate the color by 10%, you get **80.5729, 84.0744, 63.9091**, and if you desaturate by 10%, it is **92.7627, 97.5668, 101.5363**.

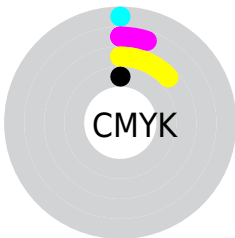
Distribution



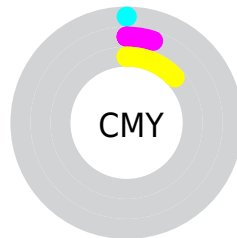
- Red (100%)
- Green (95%)
- Blue (87%)



- Red (94%)
- 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 86.3417, 90.5816, 81.3399 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 86.3417, 90.5816, 81.3399 by changing the saturation by 10% instead.


 86.3417, 90.5816,
81.3399

 86.3417, 90.5816,
81.3399


504.4743,
529.9210, 519.2624

 65.2768, 68.4631,
60.2889


141.1506,
148.1460, 137.0763

 47.9511, 50.2746,
43.2248


175.6253,
184.3607, 172.5988

 33.9992, 35.6316,
29.7288

215.3006,
226.0429, 213.7822

 23.0559, 24.1498,
19.3825

260.5420,
273.5771, 261.0452

 14.7557, 15.4448,
11.7674

311.7146,
327.3476, 314.8061

 8.7333, 9.1322,
6.4649

369.1840,

 4.6234, 4.8275,

387.7388, 375.4836

3.0564

433.3154,
455.1351, 443.4962

■ 2.0605, 2.1464,
1.1235

■ 0.6676, 0.6905,
0.0000

■ 86.3417, 90.5816,
81.3399

■ 86.3417, 90.5816,
81.3399

■ 80.5729, 84.0744,
63.9091

■ 92.7627, 97.5668,
101.5363

■ 75.4250, 78.0206,
49.1153

95.0500, 100.0000,
108.9000

■ 70.8731, 72.4103,
36.8283

■ 66.8882, 67.2286,
26.9044

■ 63.4383, 62.4597,
19.1852

■ 60.4877, 58.0859,
13.4928

■ 57.9953, 54.0875,
9.6211

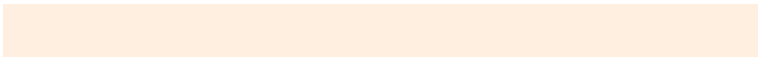
■ 55.9115, 50.4412,
7.3196

■ 54.7026, 48.1852,
6.4175

Harmonies

Analogous

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



89.5682, 90.5816, 83.8445



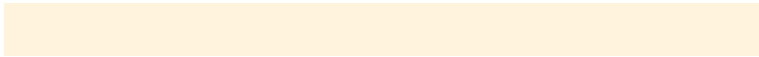
86.3417, 90.5816, 81.3399



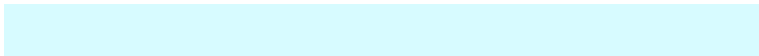
83.1291, 90.5816, 83.2129

Triad

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



86.3417, 90.5816, 81.3399



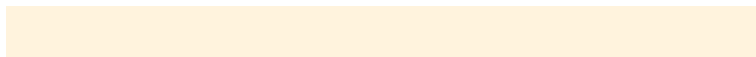
80.5294, 90.5816, 107.4738



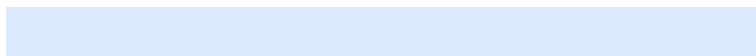
91.6544, 90.5816, 108.7731

Complementary

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



86.3417, 90.5816, 81.3399



77.0070, 80.8678, 106.1581

Split Complementary

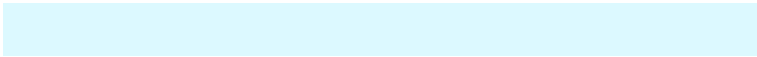
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1308, 90.5816, 115.8381



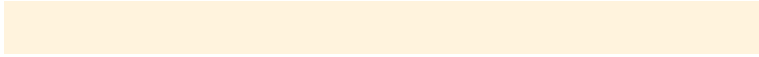
86.3417, 90.5816, 81.3399



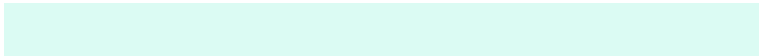
82.7129, 90.5816, 115.0544

Square

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



86.3417, 90.5816, 81.3399



79.8256, 90.5816, 97.9241



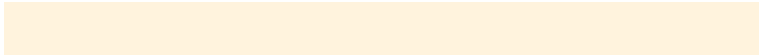
85.8490, 90.5816, 118.2069



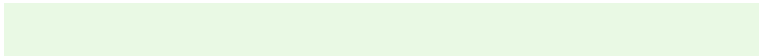
92.6846, 90.5816, 99.3352

Rectangle

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



86.3417, 90.5816, 81.3399



81.4166, 90.5816, 86.7642



85.8490, 90.5816, 118.2069



90.9495, 90.5816, 111.5267

Sweetspot

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



86.3438, 90.5854, 81.3418



92.3137, 97.0859, 100.1002



81.8719, 78.8838, 88.3526



19.6514, 20.6649, 21.0824



0.0000, 0.0000, 0.0000



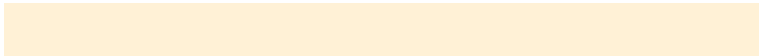
20.3446, 21.4041, 23.3091

Same Dimension

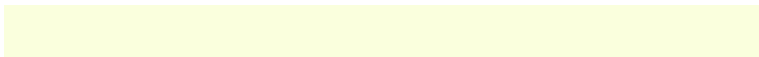
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3438, 90.5854, 81.3418



84.7421, 88.8032, 76.4267



88.4033, 97.1509, 82.5005



18.9904, 19.9490, 18.9940



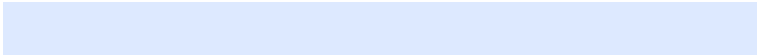
28.7290, 25.4693, 3.4019



2.9001, 2.6856, 0.3655

Inverse Universe

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



77.0070, 80.8678, 106.1581



73.7469, 77.3601, 105.6529



75.1253, 75.0275, 105.1300



17.5272, 18.4260, 22.8827



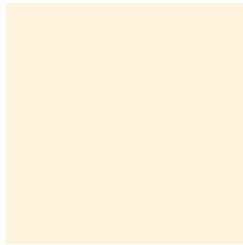
11.4667, 7.8429, 50.3441



1.2147, 0.9600, 4.9346

Previews

White Background



This preview shows how the XYZ color 86.3417, 90.5816, 81.3399 looks on a white background.

Color Contrast Check

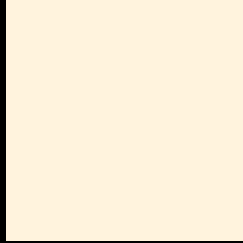
Large Text (above 18pt) WCAG AA × Fail

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 86.3417, 90.5816, 81.3399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

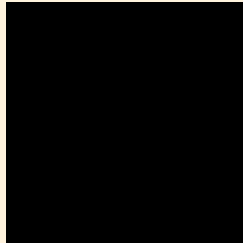
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.3417, 90.5816, 81.3399

Background



This preview shows how black text looks on a background with the XYZ color 86.3417, 90.5816, 81.3399.



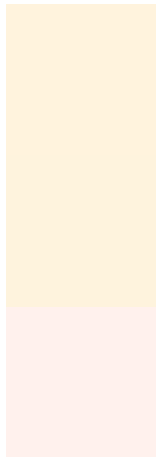
This preview shows how white text looks on a background with the XYZ color 86.3417, 90.5816,

81.3399.

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

86.3417, 90.5816, 81.3399

Protanopia

85.9748, 90.3925, 81.3227

Deuteranopia

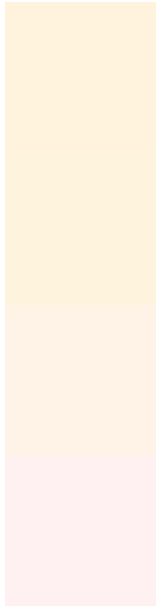
87.9814, 90.2850, 92.9104



Tritanopia

90.1297, 90.6720, 105.6796

Trichromacy



Original Color

86.3417, 90.5816, 81.3399

Protanomaly

85.9748, 90.3925, 81.3227

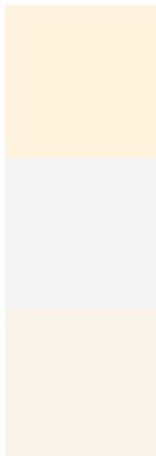
Deuteranomaly

87.4159, 90.5338, 88.4688

Tritanomaly

88.5725, 90.5215, 96.0232

Monochromacy



Original Color

86.3417, 90.5816, 81.3399

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 86.3417, 90.5816, 81.3399 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 221) }
```

Border

The CSS property to change the border of an element to XYZ 86.3417, 90.5816, 81.3399 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, 221) }
```


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

```
.border{ border-color:rgb(255, 243, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 221);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 86.3417, 90.5816, 81.3399 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, 221) }
```

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

```
.background{ background-color: rgb(255,  
243, 221) }
```

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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