

Converting Colors

XYZ(96.0695, 95.2042, 84.8416)

Have a look what the booklet for
XYZ(96.0695, 95.2042, 84.8416)
contains.

XYZ(86.5827, 90.2005, 84.0812)	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(86.5827, 90.2005,
84.0812)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2E1
RGB	255, 242, 225
RGB Percent	100%, 95%, 88%
CMY	0.0000, 0.0510, 0.1176
CMYK	0.00, 0.05, 0.12, 0.00
HSL	34°, 100%, 94%
HSV	34°, 12%, 100%
XYZ	86.5827, 90.2005, 84.0812
YIQ	243.9490, 13.2050, -2.5310

Conversions

Conversions Part 2

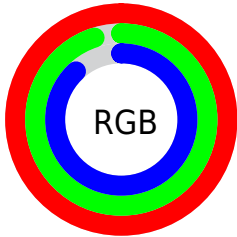
Format	Color
R_{YB}	248, 255, 225
Decimal	16773857
CIE Lab	96.08, 1.59, 9.75
CIE LCh	96, 9.881, 80.734
Yxy	90.2005, 0.3319, 0.3458
Android (android.graphics.Color)	4294963937 (0xFFFFF2E1)
YUV	243.9490, -9.3419, 9.6917
Hunter-Lab	94.9739, -3.4754, 13.9918

Details

The XYZ color **86.5827, 90.2005, 84.0812** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.6751, 84.3743, 106.6943**, and the grayscale version is **86.0151, 90.4946, 98.5486**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1033, 50.0259, 45.1508** is the 20% darker color. If you saturate the color by 10%, you get **80.1721, 82.5368, 66.0445**, and if you desaturate by 10%, it is **93.7157, 98.4768, 104.9241**.

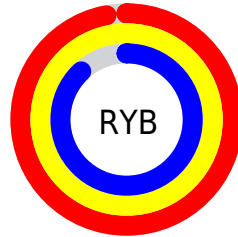
Distribution



Red (100%)

Green (95%)

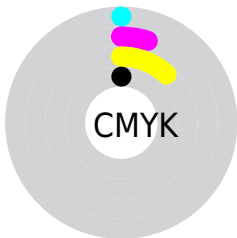
Blue (88%)



Red (97%)

Yellow (100%)

Blue (88%)

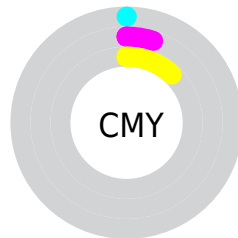


Cyan (0%)

Magenta (5%)

Yellow (12%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.5827, 90.2005, 84.0812 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 86.5827, 90.2005, 84.0812 by changing the saturation by 10% instead.


 86.5827, 90.2005,
84.0812

 86.5827, 90.2005,
84.0812

505.2558,
528.6829, 528.6479

 65.4768, 68.1469,
62.5367


141.4850,
147.6169, 140.9515

 48.1139, 50.0173,
45.0279


176.0121,
183.7485, 177.1144

 34.1288, 35.4271,
31.1363


215.7437,
225.3415, 218.9871

 23.1559, 23.9921,
20.4433

261.0451,
272.7805, 266.9883

 14.8300, 15.3278,
12.5304

312.2816,
326.4497, 321.5364

 8.7857, 9.0497,
6.9791

369.8187,

 4.6576, 4.7736,

386.7336, 383.0500

3.3708

434.0216,
454.0165, 451.9477

■ 2.0805, 2.1151,
1.2869

■ 0.6786, 0.6731,
0.0511

■ 86.5827, 90.2005,
84.0812

■ 86.5827, 90.2005,
84.0812

■ 80.1721, 82.5368,
66.0445

■ 93.7157, 98.4768,
104.9241

■ 74.4512, 75.4581,
50.6862

95.0500, 100.0000,
108.9000

■ 69.3937, 68.9513,
37.8772

■ 64.9693, 62.9982,
27.4751

■ 61.1447, 57.5796,
19.3236

■ 57.8830, 52.6743,
13.2476

■ 55.1421, 48.2593,
9.0456

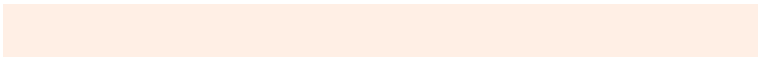
■ 52.8722, 44.3077,
6.4751

■ 51.2962, 41.3724,
5.2821

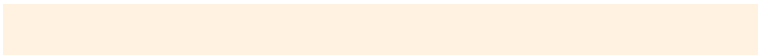
Harmonies

Analogous

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



89.1057, 90.2005, 87.0042



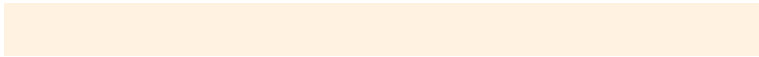
86.5827, 90.2005, 84.0812



83.8839, 90.2005, 84.7857

Triad

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



86.5827, 90.2005, 84.0812



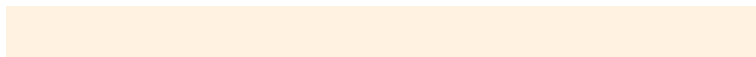
80.9064, 90.2005, 103.6441



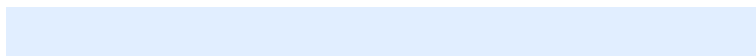
89.8706, 90.2005, 108.0606

Complementary

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



86.5827, 90.2005, 84.0812



79.6751, 84.3743, 106.6943

Split Complementary

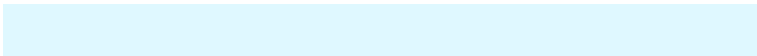
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6089, 90.2005, 112.9880



86.5827, 90.2005, 84.0812



82.4462, 90.2005, 110.3454

Square

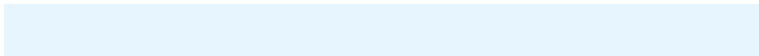
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.5827, 90.2005, 84.0812



80.6449, 90.2005, 95.8071



84.8886, 90.2005, 113.8457



91.0304, 90.2005, 100.6589

Rectangle

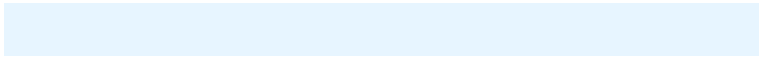
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.5827, 90.2005, 84.0812



82.3456, 90.2005, 87.2333



84.8886, 90.2005, 113.8457



89.2118, 90.2005, 110.0774

Sweetspot

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



86.5848, 90.2043, 84.0831



92.0576, 96.5738, 100.0148



83.5985, 81.2845, 92.1731



19.5865, 20.5352, 21.0607



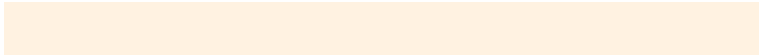
0.0000, 0.0000, 0.0000



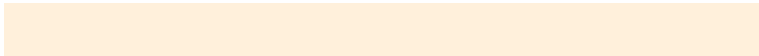
20.3446, 21.4041, 23.3091

Same Dimension

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



86.5848, 90.2043, 84.0831



85.0895, 88.4379, 79.8106



89.8589, 97.8390, 85.3842



18.8639, 19.6961, 18.9518



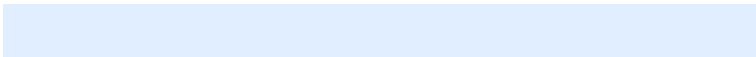
26.9547, 21.9206, 2.8104



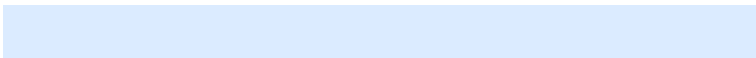
2.7331, 2.3517, 0.3099

Inverse Universe

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



79.6751, 84.3743, 106.6943



76.9944, 81.6080, 106.3016



76.6548, 77.4026, 105.5078



17.6502, 18.6719, 22.9237



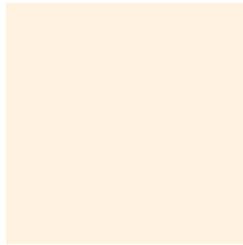
12.5126, 9.9347, 50.6927



1.3245, 1.1796, 4.9712

Previews

White Background



This preview shows how the XYZ color 86.5827, 90.2005, 84.0812 looks on a white background.

Color Contrast Check

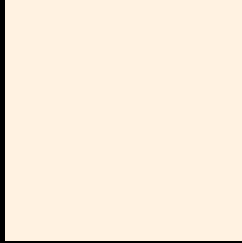
Large Text (above 18pt) WCAG AA × Fail

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 86.5827, 90.2005, 84.0812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

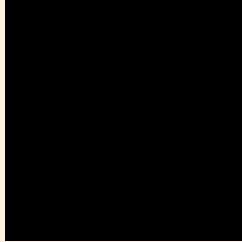
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.5827, 90.2005, 84.0812

Background



This preview shows how black text looks on a background with the XYZ color 86.5827, 90.2005, 84.0812.

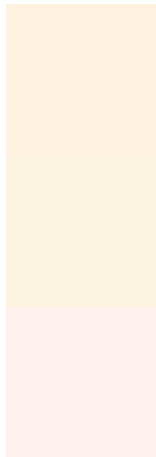


This preview shows how white text looks on a background with the XYZ color 86.5827, 90.2005,

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

86.5827, 90.2005, 84.0812

Protanopia

85.7861, 90.2329, 84.1294

Deuteranopia

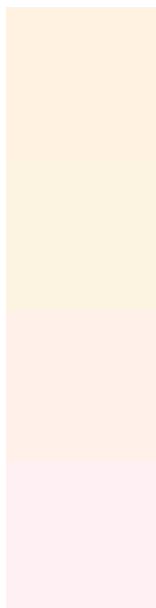
88.1279, 90.3436, 93.6821



Tritanopia

89.8361, 90.0849, 105.5817

Trichromacy



Original Color

86.5827, 90.2005, 84.0812

Protanomaly

86.1492, 90.4201, 84.1464

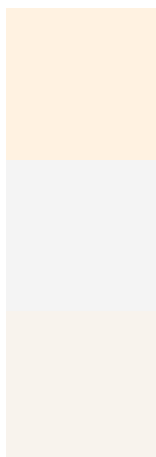
Deuteranomaly

87.4033, 90.0538, 89.8663

Tritanomaly

88.5778, 90.0512, 97.5071

Monochromacy



Original Color

86.5827, 90.2005, 84.0812

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 86.5827, 90.2005, 84.0812 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 225)  
}
```

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, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 225) }
```

Border

The CSS property to change the border of an element to XYZ 86.5827, 90.2005, 84.0812 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, 225) }
```


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

```
.border{ border-color:rgb(255, 242, 225) }
```

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, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 86.5827, 90.2005, 84.0812 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, 225) }
```

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

```
.background{ background-color: rgb(255,  
242, 225) }
```

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