

Converting Colors

XYZ(121.7843, 104.8422,
81.1949)

Have a look what the booklet for
XYZ(121.7843, 104.8422, 81.1949)
contains.

XYZ(83.5811, 85.2729, 79.7643)	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(83.5811, 85.2729,
79.7643)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEADC
RGB	255, 234, 220
RGB Percent	100%, 92%, 86%
CMY	0.0000, 0.0823, 0.1372
CMYK	0.00, 0.08, 0.14, 0.00
HSL	24°, 100%, 93%
HSV	24°, 14%, 100%
XYZ	83.5811, 85.2729, 79.7643
YIQ	238.6830, 17.0100, 0.0980

Conversions

Conversions Part 2

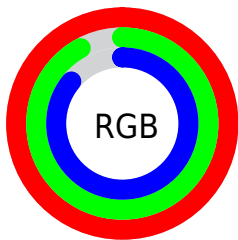
Format	Color
R_{YB}	255, 243, 220
Decimal	16771804
CIE _{Lab}	94.00, 4.89, 9.36
CIE _{LCh}	94, 10.561, 62.440
Yxy	85.2729, 0.3362, 0.3430
Android (android.graphics.Color)	4294961884 (0xFFFEADC)
YUV	238.6830, -9.2107, 14.3100
Hunter-Lab	92.3433, -0.0382, 13.4268

Details

The XYZ color **83.5811, 85.2729, 79.7643** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.0198, 85.3440, 106.9160**, and the grayscale version is **81.8594, 86.1224, 93.7873**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0006, 46.5632, 42.1604** is the 20% darker color. If you saturate the color by 10%, you get **76.2899, 75.6893, 61.9235**, and if you desaturate by 10%, it is **91.7674, 95.8217, 100.4472**.

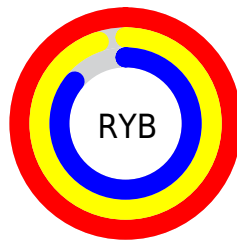
Distribution



Red (100%)

Green (92%)

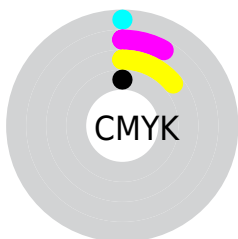
Blue (86%)



Red (100%)

Yellow (95%)

Blue (86%)

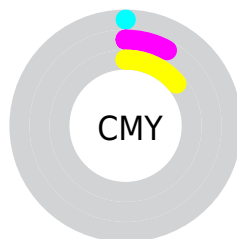


Cyan (0%)

Magenta (8%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 83.5811, 85.2729, 79.7643 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 83.5811, 85.2729, 79.7643 by changing the saturation by 10% instead.


 83.5811, 85.2729,
79.7643

 83.5811, 85.2729,
79.7643


495.4758,
512.5306, 513.8240

 62.9882, 64.0669,
58.9994


137.3133,
140.7544, 134.8427

 46.0903, 46.7049,
42.1926


171.1834,
175.7987, 169.9933

 32.5220, 32.8024,
28.9254


210.2098,
216.2245, 210.7761

 21.9180, 21.9751,
18.7793

254.7581,
262.4163, 257.6099

 13.9129, 13.8386,
11.3357

305.1934,
314.7584, 310.9130

 8.1414, 8.0085,
6.1761

361.8813,

 4.2381, 4.1004,

373.6352, 371.1040

2.8820

425.1869,
439.4312, 438.6015

■ 1.8377, 1.7299,
1.0347

■ 0.5402, 0.4429,
0.0000

■ 83.5811, 85.2729,
79.7643

■ 83.5811, 85.2729,
79.7643

■ 76.2899, 75.6893,
61.9235

■ 91.7674, 95.8217,
100.4472

■ 69.8553, 67.0320,
46.7937

95.0500, 100.0000,
108.9000

■ 64.2442, 59.2748,
34.2415

■ 59.4193, 52.3864,
24.1199

■ 55.3396, 46.3332,
16.2671

■ 51.9601, 41.0791,
10.5009

■ 49.2296, 36.5847,
6.6109

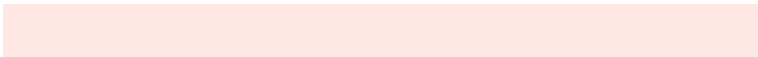
■ 47.0875, 32.8054,
4.3406

■ 45.9949, 30.7699,
3.5150

Harmonies

Analogous

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



85.7067, 85.2729, 84.7733



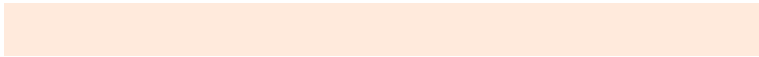
83.5811, 85.2729, 79.7643



80.8189, 85.2729, 78.1968

Triad

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



83.5811, 85.2729, 79.7643



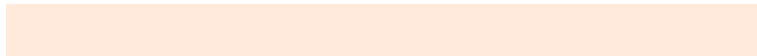
75.7577, 85.2729, 93.5097



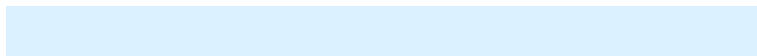
83.9895, 85.2729, 106.5632

Complementary

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



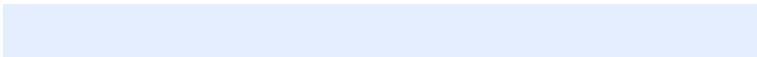
83.5811, 85.2729, 79.7643



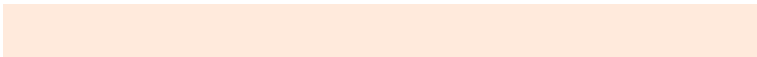
79.0198, 85.3440, 106.9160

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.



81.2802, 85.2729, 109.2230



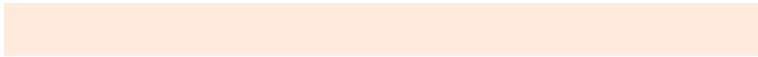
83.5811, 85.2729, 79.7643



76.5638, 85.2729, 101.4192

Square

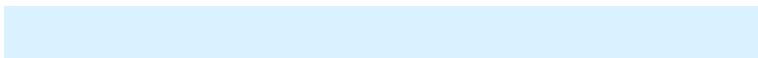
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5811, 85.2729, 79.7643



76.3420, 85.2729, 85.8544



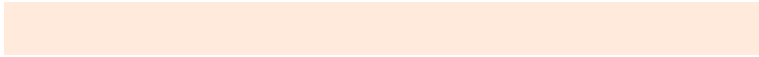
78.5692, 85.2729, 107.2888



85.9463, 85.2729, 100.2108

Rectangle

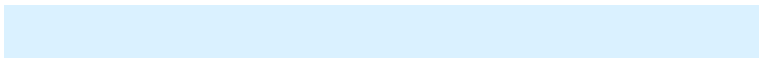
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5811, 85.2729, 79.7643



78.9994, 85.2729, 79.2363



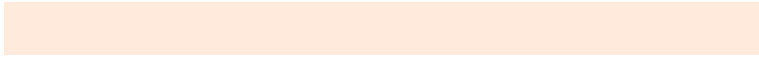
78.5692, 85.2729, 107.2888



83.1344, 85.2729, 107.9349

Sweetspot

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



83.5830, 85.2765, 79.7661



91.5300, 95.5185, 99.8390



82.7110, 78.7983, 94.0699



19.4530, 20.2683, 21.0163



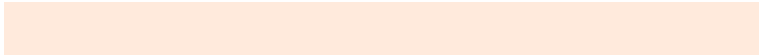
0.0000, 0.0000, 0.0000



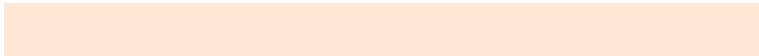
20.3446, 21.4041, 23.3091

Same Dimension

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



83.5830, 85.2765, 79.7661



81.8465, 83.0120, 75.4615



88.8121, 95.7347, 81.5091



18.6059, 19.1799, 18.8658



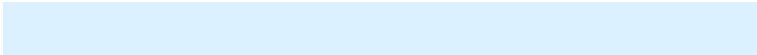
24.1697, 16.3506, 1.8821



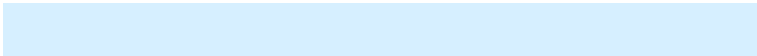
2.4567, 1.7989, 0.2177

Inverse Universe

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



79.0198, 85.3440, 106.9160



76.6112, 83.0887, 106.6076



74.0876, 75.4797, 105.2719



17.9094, 19.1903, 23.0101



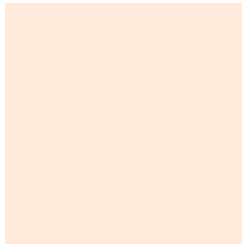
15.5307, 15.9709, 51.6987



1.6192, 1.7690, 5.0694

Previews

White Background



This preview shows how the XYZ color 83.5811, 85.2729, 79.7643 looks on a white background.

Color Contrast Check

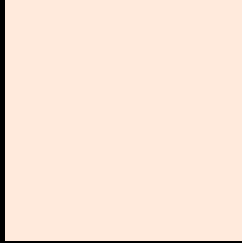
Large Text (above 18pt) WCAG AA × Fail

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 83.5811, 85.2729, 79.7643 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 83.5811, 85.2729, 79.7643

Background



This preview shows how black text looks on a background with the XYZ color 83.5811, 85.2729, 79.7643.



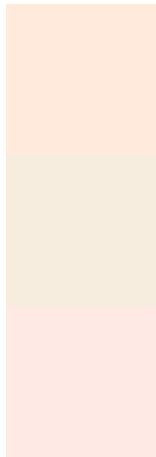
This preview shows how white text looks on a background with the XYZ color 83.5811, 85.2729,

79.7643.

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

83.5811, 85.2729, 79.7643

Protanopia

81.4750, 85.4351, 81.3037

Deuteranopia

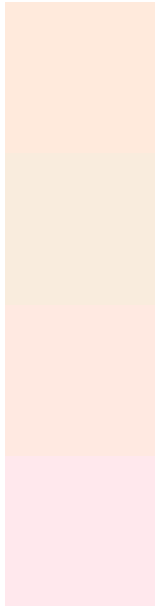
84.3825, 85.1393, 85.3849



Tritanopia

86.4505, 85.0656, 99.0517

Trichromacy



Original Color

83.5811, 85.2729, 79.7643

Protanomaly

82.1135, 85.3511, 80.5532

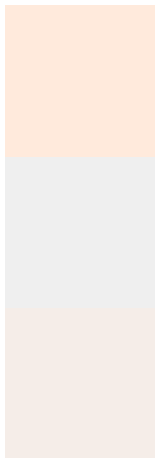
Deuteranomaly

83.9695, 84.9741, 83.2101

Tritanomaly

85.3827, 85.0877, 92.0442

Monochromacy



Original Color

83.5811, 85.2729, 79.7643

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.5059, 85.8070, 88.5578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5811, 85.2729, 79.7643 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, 234, 220) looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 220)  
}
```

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, 234, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 220) }
```

Border

The CSS property to change the border of an element to XYZ 83.5811, 85.2729, 79.7643 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, 234, 220) }
```


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

```
.border{ border-color:rgb(255, 234, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 220);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5811, 85.2729, 79.7643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 220) }
```

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

```
.background{ background-color: rgb(255,  
234, 220) }
```

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