

Converting Colors

XYZ(89.3407, 89.6977, 74.0606)

Have a look what the booklet for
XYZ(89.3407, 89.6977, 74.0606)
contains.

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Color

**XYZ(83.2821, 86.5315,
73.9408)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDD3
RGB	255, 237, 211
RGB Percent	100%, 93%, 83%
CMY	0.0000, 0.0706, 0.1725
CMYK	0.00, 0.07, 0.17, 0.00
HSL	35°, 100%, 91%
HSV	35°, 17%, 100%
XYZ	83.2821, 86.5315, 73.9408
YIQ	239.4180, 19.0740, -4.2700

Conversions

Conversions Part 2

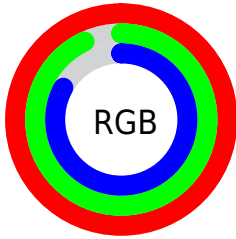
Format	Color
R _Y B	241, 255, 211
Decimal	16772563
CIE Lab	94.54, 1.99, 14.79
CIE LCh	95, 14.924, 82.325
Yxy	86.5315, 0.3417, 0.3550
Android (android.graphics.Color)	4294962643 (0xFFFFEDD3)
YUV	239.4180, -14.0101, 13.6654
Hunter-Lab	93.0223, -2.9795, 17.9877

Details

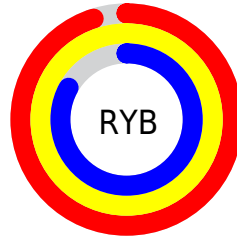
The XYZ color **83.2821, 86.5315, 73.9408** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.9326, 77.1054, 105.6466**, and the grayscale version is **82.4669, 86.7616, 94.4834**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.8133, 47.4538, 38.1974** is the 20% darker color. If you saturate the color by 10%, you get **77.4037, 79.4913, 57.4409**, and if you desaturate by 10%, it is **89.8473, 94.1331, 93.1737**.

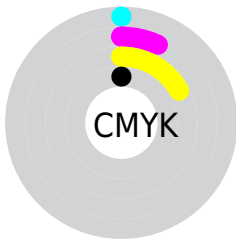
Distribution



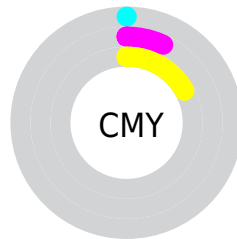
- Red (100%)
- Green (93%)
- Blue (83%)



- Red (95%)
- Yellow (100%)
- Blue (83%)



- Cyan (0%)
- Magenta (7%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.2821, 86.5315, 73.9408 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 83.2821, 86.5315, 73.9408 by changing the saturation by 10% instead.


 83.2821, 86.5315,
73.9408

 83.2821, 86.5315,
73.9408


494.4959,
516.6821, 493.4270

 62.7406, 65.1076,
54.2491


136.8970,
142.5110, 126.5452

 45.8892, 47.5483,
38.4063


170.7010,
177.8353, 160.2949

 32.3627, 33.4693,
25.9939


209.6567,
218.5618, 199.5677

 21.7956, 22.4862,
16.5934

254.1293,
265.0750, 244.7821

 13.8225, 14.2146,
9.7861

304.4841,
317.7593, 296.3567

 8.0782, 8.2701,
5.1536

361.0866,

 4.1973, 4.2682,

376.9989, 354.7100

2.2774

424.3021,
443.1784, 420.2606

■ 1.8143, 1.8247,
0.7185

■ 0.5263, 0.5025,
0.0000

■ 83.2821, 86.5315,
73.9408

■ 83.2821, 86.5315,
73.9408

■ 77.4037, 79.4913,
57.4409

■ 89.8473, 94.1331,
93.1737

■ 72.1793, 72.9861,
43.5420

95.0500, 100.0000,
108.9000

■ 67.5822, 67.0032,
32.1091

■ 63.5809, 61.5251,
22.9930

■ 60.1410, 56.5328,
16.0277

■ 57.2238, 52.0056,
11.0253

■ 54.7840, 47.9199,
7.7646

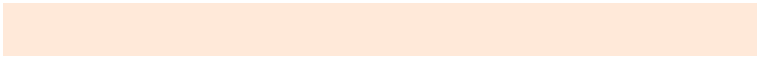
■ 52.7642, 44.2471,
5.9606

■ 52.2605, 43.3010,
5.6035

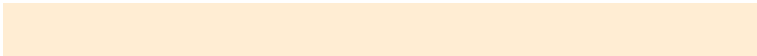
Harmonies

Analogous

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



87.0601, 86.5315, 77.7627



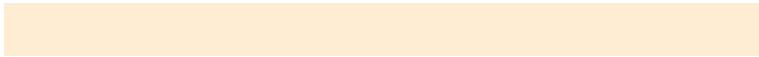
83.2821, 86.5315, 73.9408



79.3446, 86.5315, 75.1906

Triad

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



83.2821, 86.5315, 73.9408



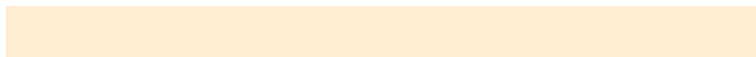
75.3015, 86.5315, 102.8784



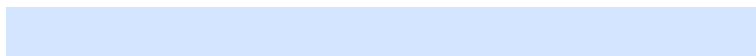
88.5155, 86.5315, 108.4037

Complementary

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



83.2821, 86.5315, 73.9408



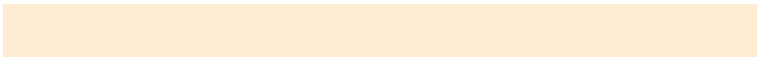
72.9326, 77.1054, 105.6466

Split Complementary

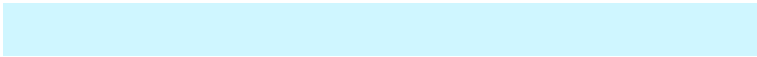
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2164, 86.5315, 116.2119



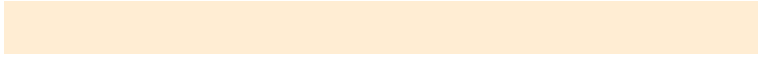
83.2821, 86.5315, 73.9408



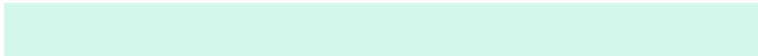
77.6119, 86.5315, 112.8451

Square

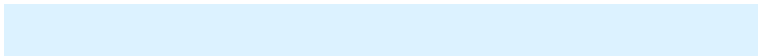
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2821, 86.5315, 73.9408



74.8216, 86.5315, 91.2928



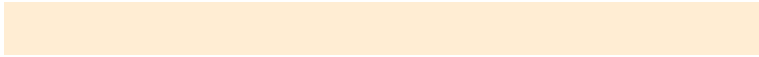
81.2177, 86.5315, 117.9000



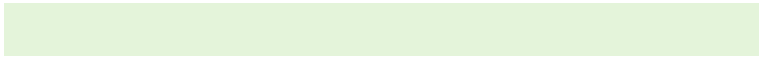
90.1451, 86.5315, 97.2052

Rectangle

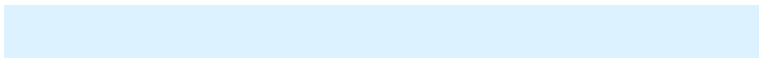
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2821, 86.5315, 73.9408



77.1507, 86.5315, 78.7828



81.2177, 86.5315, 117.9000



87.5600, 86.5315, 111.5482

Sweetspot

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



83.2841, 86.5352, 73.9426



91.4236, 95.9239, 97.8980



78.7243, 73.5253, 84.4163



19.4624, 20.4115, 20.6356



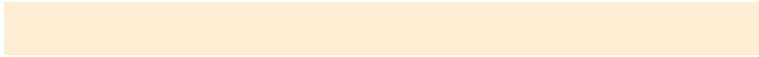
0.0000, 0.0000, 0.0000



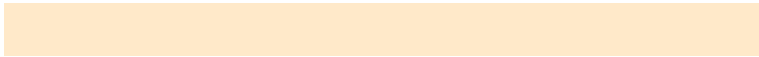
20.3446, 21.4041, 23.3091

Same Dimension

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



83.2841, 86.5352, 73.9426



81.0028, 83.8326, 67.4483



87.4220, 96.7945, 75.7048



18.9019, 19.7719, 18.9645



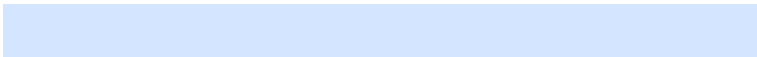
27.4578, 22.9269, 2.9781



2.7810, 2.4474, 0.3258

Inverse Universe

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



72.9326, 77.1054, 105.6466



68.7399, 72.6627, 105.0101



69.2717, 68.2063, 104.1219



17.6130, 18.5977, 22.9113



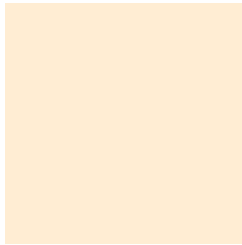
12.1712, 9.2520, 50.5789



1.2893, 1.1093, 4.9594

Previews

White Background



This preview shows how the XYZ color 83.2821, 86.5315, 73.9408 looks on a white background.

Color Contrast Check

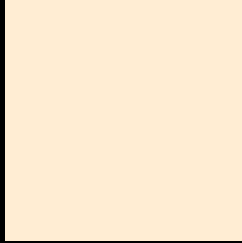
Large Text (above 18pt) WCAG AA × Fail

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 83.2821, 86.5315, 73.9408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

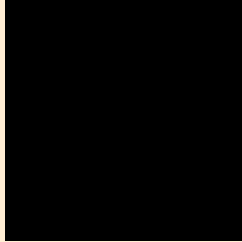
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.2821, 86.5315, 73.9408

Background



This preview shows how black text looks on a background with the XYZ color 83.2821, 86.5315, 73.9408.



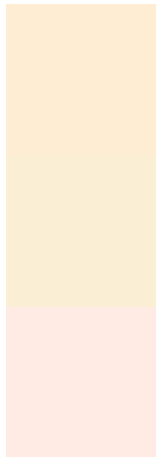
This preview shows how white text looks on a background with the XYZ color 83.2821, 86.5315,

73.9408.

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

83.2821, 86.5315, 73.9408

Protanopia

82.1745, 86.8105, 74.7124

Deuteranopia

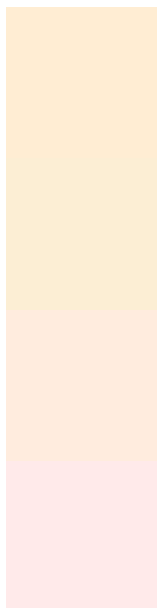
84.9519, 86.2781, 85.5747



Tritanopia

87.1674, 86.2532, 100.0500

Trichromacy



Original Color

83.2821, 86.5315, 73.9408

Protanomaly

82.6031, 86.5980, 74.6488

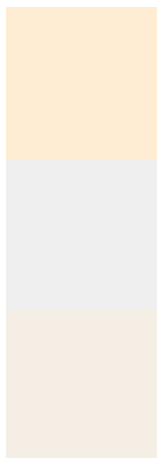
Deuteranomaly

84.4203, 86.5248, 81.3588

Tritanomaly

85.5141, 86.0462, 89.9434

Monochromacy



Original Color

83.2821, 86.5315, 73.9408

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.3736, 86.2187, 86.4291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.2821, 86.5315, 73.9408 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, 237, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 211)  
}
```

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, 237, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 211) }
```

Border

The CSS property to change the border of an element to XYZ 83.2821, 86.5315, 73.9408 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, 237, 211) }
```


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

```
.border{ border-color:rgb(255, 237, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 83.2821, 86.5315, 73.9408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 211) }
```

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

```
.background{ background-color: rgb(255,  
237, 211) }
```

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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