

Converting Colors

XYZ(159.9459, 128.6795,
71.6758)

Have a look what the booklet for
XYZ(159.9459, 128.6795, 71.6758)
contains.

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Color

**XYZ(83.8332, 89.5782,
68.1302)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3C9
RGB	255, 243, 201
RGB Percent	100%, 95%, 79%
CMY	0.0000, 0.0470, 0.2118
CMYK	0.00, 0.05, 0.21, 0.00
HSL	47°, 100%, 89%
HSV	47°, 21%, 100%
XYZ	83.8332, 89.5782, 68.1302
YIQ	241.8000, 20.6340, -10.5180

Conversions

Conversions Part 2

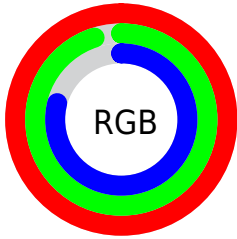
Format	Color
R _Y B	216, 255, 201
Decimal	16774089
CIE Lab	95.82, -2.48, 21.73
CIE LCh	96, 21.874, 96.514
Yxy	89.5782, 0.3471, 0.3709
Android (android.graphics.Color)	4294964169 (0xFFFFF3C9)
YUV	241.8000, -20.1144, 11.5764
Hunter-Lab	94.6458, -7.5224, 23.5725

Details

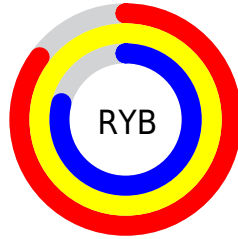
The XYZ color **83.8332, 89.5782, 68.1302** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9311, 67.2242, 104.1084**, and the grayscale version is **84.3844, 88.7789, 96.6803**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3255, 49.6530, 34.7461** is the 20% darker color. If you saturate the color by 10%, you get **79.4107, 85.1417, 53.0651**, and if you desaturate by 10%, it is **88.8103, 94.3263, 85.8392**.

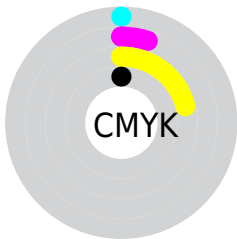
Distribution



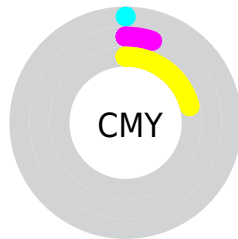
- Red (100%)
- Green (95%)
- Blue (79%)



- Red (85%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (5%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.8332, 89.5782, 68.1302 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 83.8332, 89.5782, 68.1302 by changing the saturation by 10% instead.


 83.8332, 89.5782,
68.1302

 83.8332, 89.5782,
68.1302


496.3012,
526.6578, 472.5678

 63.1970, 67.6309,
49.5363


137.6643,
146.7524, 118.1944

 46.2598, 49.5975,
34.6765


171.5899,
182.7480, 150.5017

 32.6564, 35.0937,
23.1322


210.6759,
224.1951, 188.2173

 22.0213, 23.7350,
14.4850

255.2879,
271.4782, 231.7597

 13.9893, 15.1372,
8.3161

305.7910,
324.9816, 281.5474

 8.1948, 8.9157,
4.2072

362.5507,

 4.2727, 4.6863,

385.0898, 337.9989

1.7397

425.9323,
452.1870, 401.5329

■ 1.8576, 2.0644,
0.3877

■ 0.5520, 0.6445,
0.0000

■ 83.8332, 89.5782,
68.1302

■ 83.8332, 89.5782,
68.1302

■ 79.4107, 85.1417,
53.0651

■ 88.8103, 94.3263,
85.8392

■ 75.5114, 80.9944,
40.5086

■ 94.3589, 99.3843,
106.3070

■ 72.1102, 77.1286,
30.3224

■ 95.0500, 100.0000,
108.9000

■ 69.1776, 73.5316,
22.3519

■ 66.6801, 70.1892,
16.4244

■ 64.5796, 67.0856,
12.3416

■ 62.8305, 64.2015,
9.8653

■ 61.5167, 61.8134,
8.6889

Harmonies

Analogous

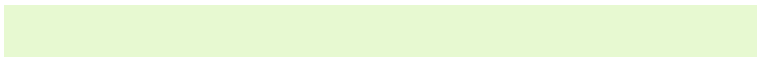
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8451, 89.5782, 70.1463



83.8332, 89.5782, 68.1302



78.4287, 89.5782, 73.2128

Triad

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



83.8332, 89.5782, 68.1302



76.1606, 89.5782, 118.6521



96.2214, 89.5782, 111.3731

Complementary

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



83.8332, 89.5782, 68.1302



65.9311, 67.2242, 104.1084

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.



92.2265, 89.5782, 126.7240



83.8332, 89.5782, 68.1302



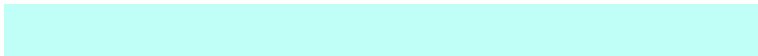
80.6048, 89.5782, 131.2611

Square

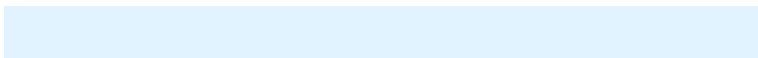
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.8332, 89.5782, 68.1302



74.1360, 89.5782, 101.3500



86.4631, 89.5782, 134.3767



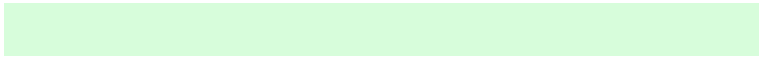
97.1854, 89.5782, 93.8178

Rectangle

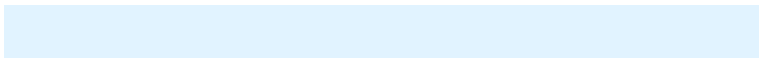
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.8332, 89.5782, 68.1302



75.8350, 89.5782, 80.3415



86.4631, 89.5782, 134.3767



95.1796, 89.5782, 117.0225

Sweetspot

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



83.8353, 89.5821, 68.1321



91.6091, 96.9043, 96.0807



74.2139, 67.8689, 72.5404



19.5307, 20.6709, 20.2797



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

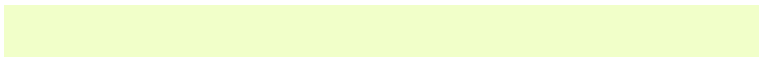
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8353, 89.5821, 68.1321



82.0795, 87.8486, 62.0650



82.4423, 94.3677, 69.1292



19.1989, 20.3659, 19.0635



32.2600, 32.5312, 4.5789



3.2213, 3.3279, 0.4726

Inverse Universe

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



65.9311, 67.2242, 104.1084



61.5283, 62.1878, 103.3683



67.0795, 63.5022, 103.3294



17.3302, 18.0319, 22.8171



10.2766, 5.4627, 49.9474



1.0775, 0.6857, 4.8888

Previews

White Background



This preview shows how the XYZ color 83.8332, 89.5782, 68.1302 looks on a white background.

Color Contrast Check

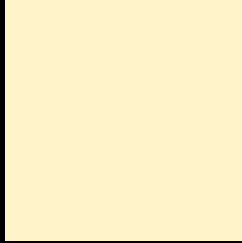
Large Text (above 18pt) WCAG AA × Fail

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 83.8332, 89.5782, 68.1302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

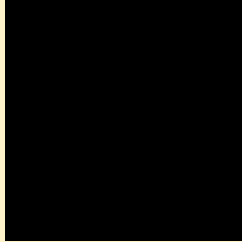
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.8332, 89.5782, 68.1302

Background



This preview shows how black text looks on a background with the XYZ color 83.8332, 89.5782, 68.1302.



This preview shows how white text looks on a background with the XYZ color 83.8332, 89.5782,

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

83.8332, 89.5782, 68.1302

Protanopia

84.5531, 89.8662, 71.9210

Deuteranopia

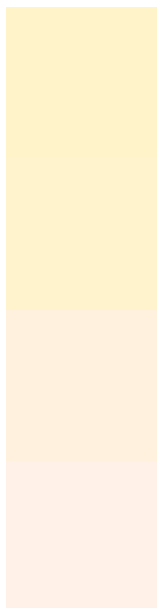
86.9656, 89.4064, 89.0175



Tritanopia

89.0699, 89.3112, 102.9868

Trichromacy



Original Color

83.8332, 89.5782, 68.1302

Protanomaly

84.3100, 89.7690, 70.6411

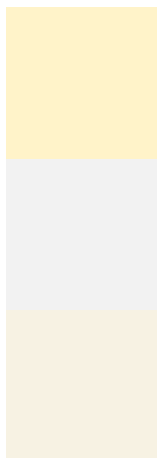
Deuteranomaly

85.7464, 89.3911, 81.1415

Tritanomaly

86.9656, 89.4064, 89.0175

Monochromacy



Original Color

83.8332, 89.5782, 68.1302

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.9750, 88.8245, 85.3919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8332, 89.5782, 68.1302 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 201) }
```

Border

The CSS property to change the border of an element to XYZ 83.8332, 89.5782, 68.1302 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, 201) }
```


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

```
.border{ border-color:rgb(255, 243, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8332, 89.5782, 68.1302 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
243, 201) }
```

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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