

# Converting Colors

XYZ(85.1939, 89.6086, 79.1124)

Have a look what the booklet for  
XYZ(85.1939, 89.6086, 79.1124)  
contains.

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# Color

**XYZ(85.2801, 89.6370,  
79.1366)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF2DA
RGB	254, 242, 218
RGB Percent	100%, 95%, 85%
CMY	0.0039, 0.0510, 0.1451
CMYK	0.00, 0.05, 0.14, 0.00
HSL	40°, 95%, 93%
HSV	40°, 14%, 100%
XYZ	85.2801, 89.6370, 79.1366
YIQ	242.8520, 14.8560, -4.9200

# Conversions

## Conversions Part 2

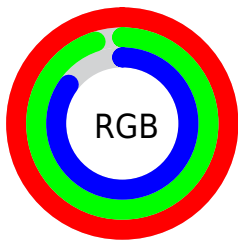
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	236, 254, 218
Decimal	16708314
CIE Lab	95.85, 0.16, 13.02
CIE LCh	96, 13.020, 89.313
Yxy	89.6370, 0.3357, 0.3528
Android (android.graphics.Color)	4294898394 (0xFFFEF2DA)
YUV	242.8520, -12.2520, 9.7768
Hunter-Lab	94.6768, -4.9006, 16.7156

# Details

The XYZ color **85.2801, 89.6370, 79.1366** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **75.0995, 78.6534, 104.9903**, and the grayscale version is **85.1619, 89.5969, 97.5710**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1957, 49.6325, 41.7429** is the 20% darker color. If you saturate the color by 10%, you get **79.7475, 83.4891, 62.1313**, and if you desaturate by 10%, it is **91.4436, 96.2298, 98.8672**.

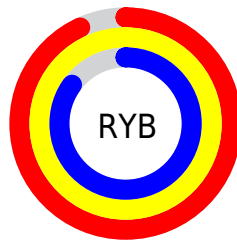
# Distribution



Red (100%)

Green (95%)

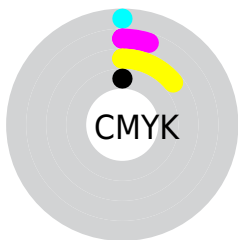
Blue (85%)



Red (93%)

Yellow (100%)

Blue (85%)

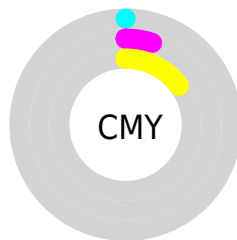


Cyan (0%)

Magenta (5%)

Yellow (14%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.2801, 89.6370, 79.1366 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 85.2801, 89.6370, 79.1366 by changing the saturation by 10% instead.



 85.2801, 89.6370,  
79.1366

 85.2801, 89.6370,  
79.1366


501.0242,  
526.8493, 511.6482

 64.3961, 67.6796,  
58.4861


139.6765,  
146.8341, 133.9516

 47.2345, 49.6371,  
41.7823


173.9195,  
182.8425, 168.9531

 33.4298, 35.1252,  
28.6066

213.3464,  
224.3035, 209.5755

 22.6167, 23.7593,  
18.5404

258.3223,  
271.6013, 256.2372

 14.4299, 15.1552,  
11.1652

309.2127,  
325.1204, 309.3568

 8.5039, 8.9284,  
6.0625

366.3829,

 4.4736, 4.6945,

385.2452, 369.3528

2.8137

430.1983,  
452.3600, 436.6437

■ 1.9734, 2.0691,  
1.0003

■ 0.6189, 0.6472,  
0.0000

■ 85.2801, 89.6370,  
79.1366

■ 85.2801, 89.6370,  
79.1366

■ 79.7475, 83.4891,  
62.1313

■ 91.4436, 96.2298,  
98.8672

■ 74.8138, 77.7618,  
47.7235

94.6835, 99.8110,  
108.8828

■ 70.4550, 72.4460,  
35.7832

■ 66.6423, 67.5275,  
26.1674

■ 63.3442, 62.9911,  
18.7177

■ 60.5252, 58.8199,  
13.2562

■ 58.1444, 54.9947,  
9.5760

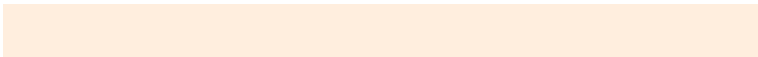
■ 56.1522, 51.4928,  
7.4241

■ 55.1299, 49.5838,  
6.6650

# Harmonies

## Analogous

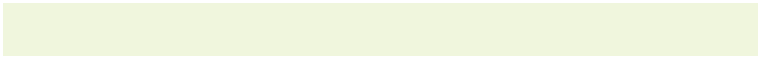
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7689, 89.6370, 81.5670



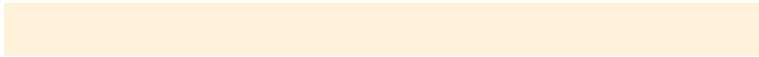
85.2801, 89.6370, 79.1366



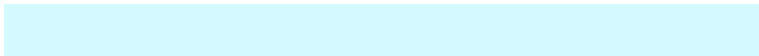
81.8624, 89.6370, 81.3568

# Triad

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



85.2801, 89.6370, 79.1366



79.3190, 89.6370, 107.6012



91.2723, 89.6370, 108.0401

# Complementary

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



85.2801, 89.6370, 79.1366



75.0995, 78.6534, 104.9903

# Split Complementary

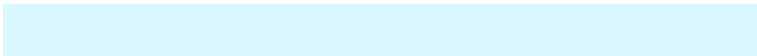
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6216, 89.6370, 115.8718



85.2801, 89.6370, 79.1366



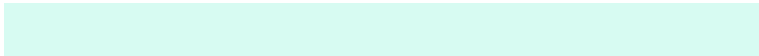
81.7228, 89.6370, 115.6061

# Square

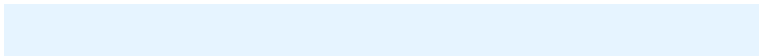
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.2801, 89.6370, 79.1366



78.4798, 89.6370, 97.3625



85.1145, 89.6370, 118.7314



92.2875, 89.6370, 97.8368



# Rectangle

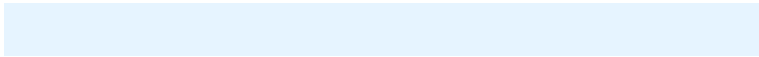
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.2801, 89.6370, 79.1366



80.0696, 89.6370, 85.2706



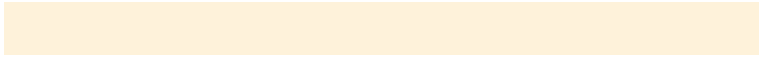
85.1145, 89.6370, 118.7314



90.5394, 89.6370, 111.0629

# Sweetspot

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



85.2825, 89.6410, 79.1385



92.3762, 97.2110, 100.1211



80.2285, 76.9281, 85.4842



19.6672, 20.6966, 21.0877



0.0000, 0.0000, 0.0000

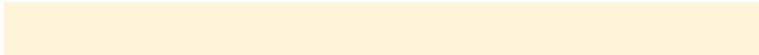


20.3446, 21.4041, 23.3091



# Same Dimension

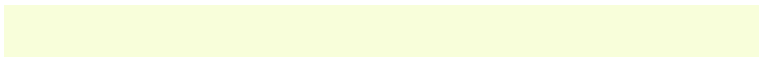
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.2825, 89.6410, 79.1385



84.4035, 88.6437, 74.7175



86.8091, 95.9031, 80.2668



19.0214, 20.0110, 19.0043



29.2062, 26.4235, 3.5609



2.9442, 2.7738, 0.3802



# Inverse Universe

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



75.0995, 78.6534, 104.9903



72.3226, 75.6091, 105.3900



73.7025, 73.1472, 104.0011



17.4975, 18.3665, 22.8728



11.2494, 7.4085, 50.2716

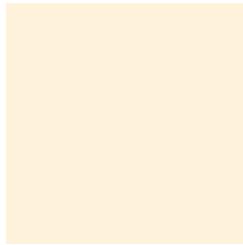


1.1909, 0.9126, 4.9266



# Previews

## White Background



This preview shows how the XYZ color 85.2801, 89.6370, 79.1366 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

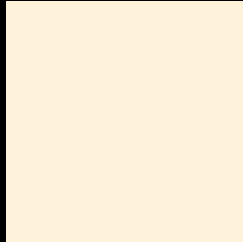
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.2801, 89.6370, 79.1366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

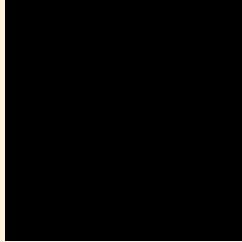
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.2801, 89.6370, 79.1366

## Background



This preview shows how black text looks on a background with the XYZ color 85.2801, 89.6370, 79.1366.



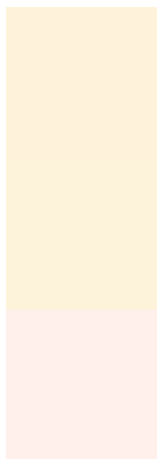
This preview shows how white text looks on a background with the XYZ color 85.2801, 89.6370,

79.1366.

# 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

85.2801, 89.6370, 79.1366

### Protanopia

84.9150, 89.4489, 79.1195

### Deuteranopia

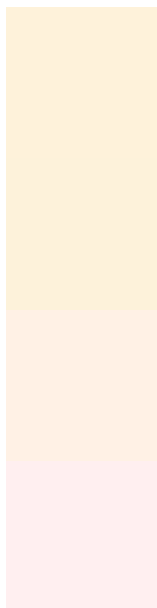
87.3955, 89.5783, 91.2814



## Tritanopia

89.3852, 89.4373, 104.6475

# Trichromacy



## Original Color

85.2801, 89.6370, 79.1366

## Protanomaly

84.9150, 89.4489, 79.1195

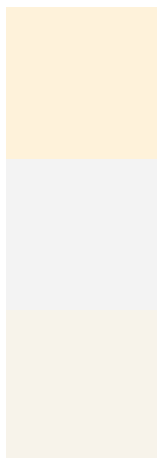
## Deuteranomaly

86.8382, 89.8277, 86.8904

## Tritanomaly

87.8347, 89.2843, 95.0423

# Monochromacy



## Original Color

85.2801, 89.6370, 79.1366

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

85.2596, 89.8159, 90.6844

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.2801, 89.6370, 79.1366 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(254, 242, 218) looks like.

```
.text, #text, p{  
    color:rgb(254, 242, 218)  
}
```

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(254, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 242, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 85.2801, 89.6370, 79.1366 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(254, 242, 218) }
```



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

```
.border{ border-color:rgb(254, 242, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 242, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(254, 242,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.2801, 89.6370, 79.1366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 242, 218) }
```

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

```
.background{ background-color: rgb(254,  
242, 218) }
```

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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