

# Converting Colors

XYZ(84.1956, 89.0628, 79.2342)

Have a look what the booklet for  
XYZ(84.1956, 89.0628, 79.2342)  
contains.

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# **Color**

**XYZ(84.1907, 89.0754,  
79.0856)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBF2DA
RGB	251, 242, 218
RGB Percent	98%, 95%, 85%
CMY	0.0157, 0.0510, 0.1451
CMYK	0.00, 0.04, 0.13, 0.02
HSL	44°, 80%, 92%
HSV	44°, 13%, 98%
XYZ	84.1907, 89.0754, 79.0856
YIQ	241.9550, 13.0680, -5.5560

# Conversions

## Conversions Part 2

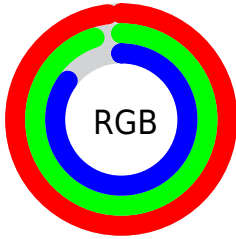
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	230, 251, 218
Decimal	16511706
CIE Lab	95.61, -0.90, 12.65
CIE LCh	96, 12.686, 94.056
Yxy	89.0754, 0.3336, 0.3530
Android (android.graphics.Color)	4294701786 (0xFFFFBF2DA)
YUV	241.9550, -11.8098, 7.9325
Hunter-Lab	94.3798, -5.9351, 16.3837

# Details

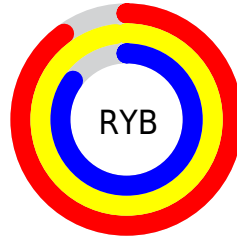
The XYZ color **84.1907, 89.0754, 79.0856** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.7950, 76.8073, 102.2036**, and the grayscale version is **84.4478, 88.8457, 96.7529**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4179, 49.2315, 41.7065** is the 20% darker color. If you saturate the color by 10%, you get **79.1541, 83.8660, 62.4105**, and if you desaturate by 10%, it is **89.8058, 94.6440, 98.4096**.

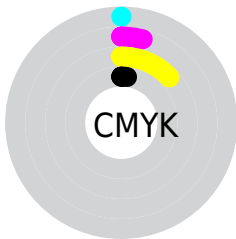
# Distribution



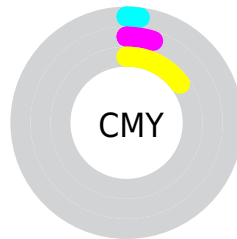
- Red (98%)
- Green (95%)
- Blue (85%)



- Red (90%)
- Yellow (98%)
- Blue (85%)



- Cyan (0%)
- Magenta (4%)
- Yellow (13%)
- Black (2%)



- Cyan (2%)
- Magenta (5%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.1907, 89.0754, 79.0856 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 84.1907, 89.0754, 79.0856 by changing the saturation by 10% instead.



84.1907, 89.0754,  
79.0856

84.1907, 89.0754,  
79.0856

497.4704,  
525.0186, 511.4711

63.4931, 67.2140,  
58.4445

138.1618,  
146.0534, 133.8791

46.5004, 49.2586,  
41.7490

172.1660,  
181.9389, 168.8686

32.8472, 34.8247,  
28.5807

211.3365,  
223.2678, 209.4779

22.1681, 23.5278,  
18.5210

256.0386,  
270.4246, 256.1256

14.0977, 14.9837,  
11.1514

306.6377,  
323.7937, 309.2302

8.2708, 8.8080,  
6.0533

363.4991,

4.3220, 4.6161,

383.7595, 369.2103

2.8082

426.9882,  
450.7063, 436.4845

■ 1.8859, 2.0239,  
0.9976

■ 0.5686, 0.6213,  
0.0000

■ 84.1907, 89.0754,  
79.0856

■ 84.1907, 89.0754,  
79.0856

■ 79.1541, 83.8660,  
62.4105

■ 89.8058, 94.6440,  
98.4096

■ 74.6656, 78.9935,  
48.2609

■ 93.5941, 99.2494,  
108.8319

■ 70.7028, 74.4505,  
36.5121

■ 67.2389, 70.2249,  
27.0265

■ 64.2441, 66.3035,  
19.6523

■ 61.6853, 62.6716,  
14.2192

■ 59.5243, 59.3125,  
10.5300

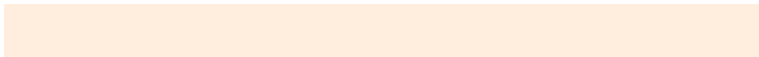
■ 57.7146, 56.2062,  
8.3456

■ 56.6315, 54.2042,  
7.4777

# Harmonies

## Analogous

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



87.6275, 89.0754, 80.7423



84.1907, 89.0754, 79.0856



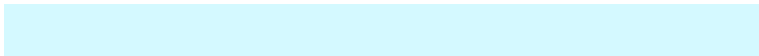
80.9681, 89.0754, 81.9488

# Triad

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



84.1907, 89.0754, 79.0856



79.2351, 89.0754, 108.1307



90.8299, 89.0754, 105.6239

# Complementary

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



84.1907, 89.0754, 79.0856



73.7950, 76.8073, 102.2036

# Split Complementary

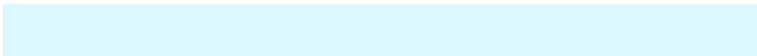
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.4697, 89.0754, 113.7630



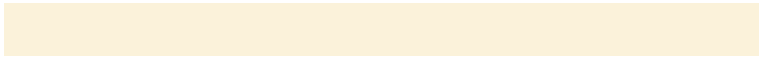
84.1907, 89.0754, 79.0856



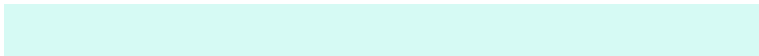
81.7671, 89.0754, 115.2785

# Square

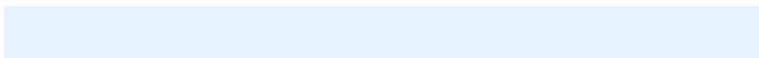
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.1907, 89.0754, 79.0856



78.1570, 89.0754, 98.3509



85.1381, 89.0754, 117.4066

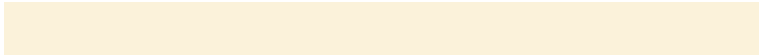


91.5214, 89.0754, 95.6377

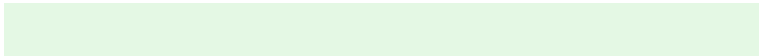


# Rectangle

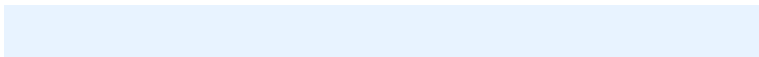
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.1907, 89.0754, 79.0856



79.3563, 89.0754, 86.1588



85.1381, 89.0754, 117.4066



90.2022, 89.0754, 108.6885

# Sweetspot

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



84.1931, 89.0793, 79.0875



92.5703, 97.5992, 100.1858



78.7697, 76.2187, 83.4878



19.7164, 20.7950, 21.1041



0.0000, 0.0000, 0.0000

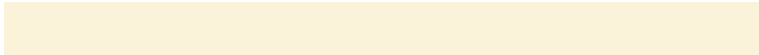


20.3446, 21.4041, 23.3091



# Same Dimension

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



84.1931, 89.0793, 79.0875



85.7173, 90.7536, 76.7517



84.4093, 93.2636, 79.8838



18.3039, 19.3436, 18.2314



29.8950, 28.7468, 3.9730



2.8569, 2.8386, 0.3973



# Inverse Universe

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



73.7950, 76.8073, 102.2036



72.8522, 75.5707, 105.3546



73.5833, 73.1408, 101.5070



16.6680, 17.4128, 21.8678



10.3558, 6.0671, 48.5988

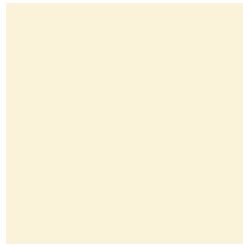


1.0433, 0.7302, 4.5291



# Previews

## White Background



This preview shows how the XYZ color 84.1907, 89.0754, 79.0856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

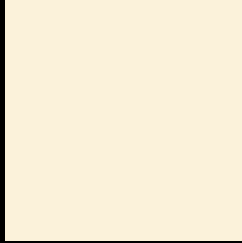
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.1907, 89.0754, 79.0856 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

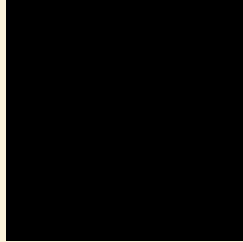
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.1907, 89.0754, 79.0856**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.1907, 89.0754, 79.0856.



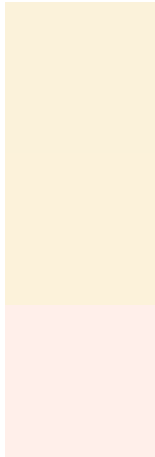
This preview shows how white text looks on a background with the XYZ color 84.1907, 89.0754,

79.0856.

# 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

84.1907, 89.0754, 79.0856

### Protanopia

84.5519, 89.2617, 79.1025

### Deuteranopia

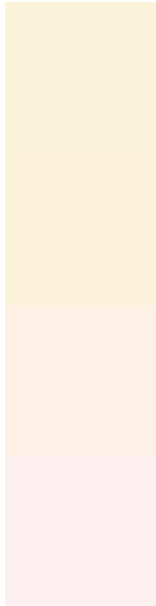
86.9578, 88.9335, 90.4246



## Tritanopia

89.4136, 88.9841, 106.2290

# Trichromacy



## Original Color

84.1907, 89.0754, 79.0856

## Protanomaly

84.5519, 89.2617, 79.1025

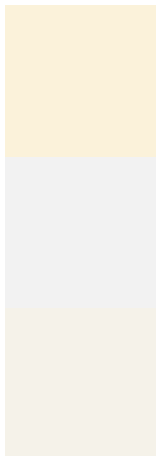
## Deuteranomaly

86.0367, 88.9924, 86.0414

## Tritanomaly

87.6167, 89.1547, 95.8098

# Monochromacy



## Original Color

84.1907, 89.0754, 79.0856

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.1163, 88.7999, 89.7975

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.1907, 89.0754, 79.0856 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(251, 242, 218) looks like.

```
.text, #text, p{  
    color:rgb(251, 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(251, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 242, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 84.1907, 89.0754, 79.0856 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(251, 242, 218) }
```



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

```
.border{ border-color:rgb(251, 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(251, 242, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(251, 242,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.1907, 89.0754, 79.0856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 242, 218) }
```

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

```
.background{ background-color: rgb(251,  
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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