

# Converting Colors

XYZ(80.5013, 88.5674, 59.3910)

Have a look what the booklet for  
XYZ(80.5013, 88.5674, 59.3910)  
contains.

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# Color

**XYZ(80.2805, 88.3863,  
59.2834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F4BA
RGB	249, 244, 186
RGB Percent	98%, 96%, 73%
CMY	0.0235, 0.0431, 0.2706
CMYK	0.00, 0.02, 0.25, 0.02
HSL	55°, 84%, 85%
HSV	55°, 25%, 98%
XYZ	80.2805, 88.3863, 59.2834
YIQ	238.8830, 21.5980, -16.9780

# Conversions

## Conversions Part 2

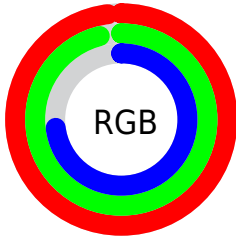
Format	Color
<a href="#">RYB</a>	<a href="#">191, 249, 186</a>
Decimal	<a href="#">16381114</a>
CIELab	<a href="#">95.32, -7.21, 28.62</a>
CIELCh	<a href="#">95, 29.517, 104.130</a>
Yxy	<a href="#">88.3863, 0.3522, 0.3877</a>
Android (android.graphics.Color)	<a href="#">4294571194</a> ( <a href="#">0xFFFF9F4BA</a> )
YUV	<a href="#">238.8830, -26.0713, 8.8726</a>
Hunter-Lab	<a href="#">94.0140, -12.0996, 28.4227</a>

# Details

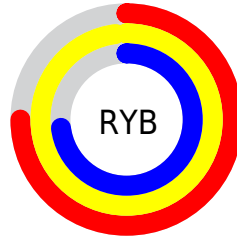
The XYZ color **80.2805, 88.3863, 59.2834** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.9791, 54.5388, 97.1994**, and the grayscale version is **82.1397, 86.4174, 94.1085**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **43.8863, 48.8389, 28.9436** is the 20% darker color. If you saturate the color by 10%, you get **77.2709, 86.2403, 46.3389**, and if you desaturate by 10%, it is **83.7624, 90.7375, 74.6631**.

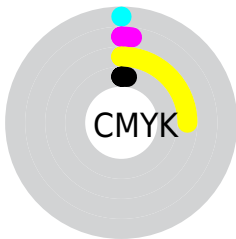
# Distribution



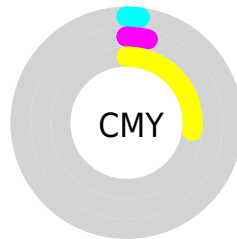
- Red (98%)
- Green (96%)
- Blue (73%)



- Red (75%)
- Yellow (98%)
- Blue (73%)



- Cyan (0%)
- Magenta (2%)
- Yellow (25%)
- Black (2%)




- Cyan (2%)
- Magenta (4%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2805, 88.3863, 59.2834 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 80.2805, 88.3863, 59.2834 by changing the saturation by 10% instead.





 80.2805, 88.3863,  
59.2834

 80.2805, 88.3863,  
59.2834

484.5998,  
522.7675, 439.6824

 60.2585, 66.6430,  
42.4198

 132.7085,  
145.0948, 105.3226

 43.8773, 48.7946,  
29.1021


165.8451,  
180.8289, 135.3353

 30.7715, 34.4566,  
18.9118

204.0840,  
221.9954, 170.5681

 20.5759, 23.2446,  
11.4304

247.7906,  
268.9787, 211.4395

 12.9250, 14.7742,  
6.2393

297.3300,  
322.1631, 258.3681

 7.4536, 8.6611,  
2.9200

353.0678,

 3.7962, 4.5208,

381.9331, 311.7724

1.0539

415.3693,  
448.6731, 372.0710

■ 1.5875, 1.9689,  
0.0000

■ 0.3842, 0.5893,  
0.0000

■ 80.2805, 88.3863,  
59.2834

■ 80.2805, 88.3863,  
59.2834

■ 77.2709, 86.2403,  
46.3389

■ 83.7624, 90.7375,  
74.6631

■ 74.7027, 84.2779,  
35.6979

■ 87.7319, 93.2910,  
92.5893

■ 72.5522, 82.4927,  
27.2251

■ 91.2802, 95.6862,  
108.2660

■ 70.7904, 80.8731,  
20.7683

■ 91.8965, 96.9188,  
108.4715

■ 69.3848, 79.4060,  
16.1560

■ 92.5193, 98.1644,  
108.6791

■ 68.2974, 78.0762,  
13.1882

■ 92.8770, 98.8798,  
108.7983

■ 67.4812, 76.8649,  
11.6181

■ 67.1589, 76.3235,  
11.1923

# Harmonies

## Analogous

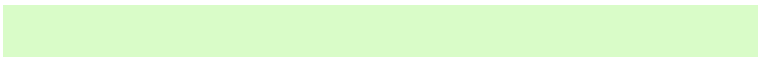
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3197, 88.3863, 59.5365



80.2805, 88.3863, 59.2834



73.6698, 88.3863, 67.7576

# Triad

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



80.2805, 88.3863, 59.2834



73.3651, 88.3863, 130.5807



99.8203, 88.3863, 108.8968

# Complementary

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



80.2805, 88.3863, 59.2834



55.9791, 54.5388, 97.1994

# 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.



95.2720, 88.3863, 131.7530



80.2805, 88.3863, 59.2834



79.8400, 88.3863, 145.5735

# Square

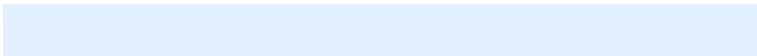
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



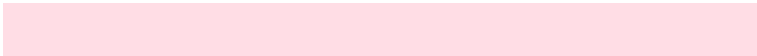
80.2805, 88.3863, 59.2834



69.8536, 88.3863, 107.4884



87.8502, 88.3863, 146.0339



99.9571, 88.3863, 85.8007

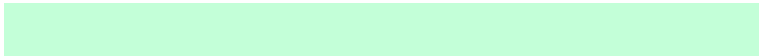


# Rectangle

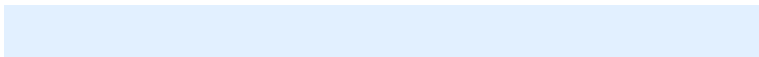
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2805, 88.3863, 59.2834



70.8170, 88.3863, 78.1356



87.8502, 88.3863, 146.0339



98.7442, 88.3863, 116.9396

# Sweetspot

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



80.2828, 88.3903, 59.2853



91.4239, 97.7276, 92.3394



66.0581, 59.0312, 57.3483



19.4308, 20.8297, 19.1408



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

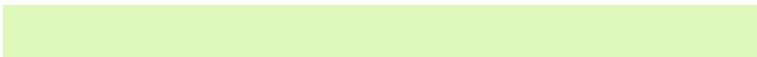
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2828, 88.3903, 59.2853



83.1821, 92.2062, 55.7966



73.0937, 86.9452, 59.3853



18.6028, 19.9414, 18.3310



35.9981, 40.9529, 6.0074



3.3679, 3.8607, 0.5677



# Inverse Universe

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



55.9791, 54.5388, 97.1994



53.7830, 51.2601, 101.6673



61.8822, 55.9927, 97.1689



16.3936, 16.8640, 21.7763



9.3230, 4.0016, 48.2546

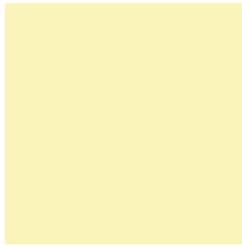


0.9004, 0.4444, 4.4815



# Previews

## White Background



This preview shows how the XYZ color 80.2805, 88.3863, 59.2834 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

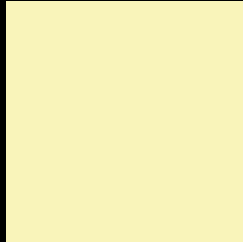
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.2805, 88.3863, 59.2834 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

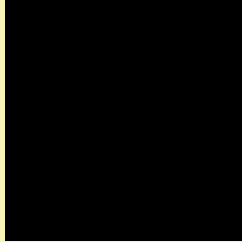
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

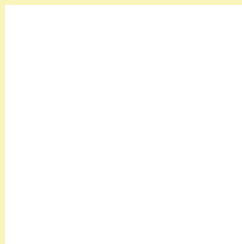
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.2805, 88.3863, 59.2834

## Background



This preview shows how black text looks on a background with the XYZ color 80.2805, 88.3863, 59.2834.



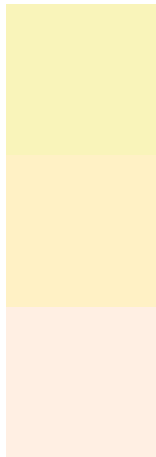
This preview shows how white text looks on a background with the XYZ color 80.2805, 88.3863,



# 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

80.2805, 88.3863, 59.2834

### Protanopia

82.7733, 88.2018, 65.4854

### Deuteranopia

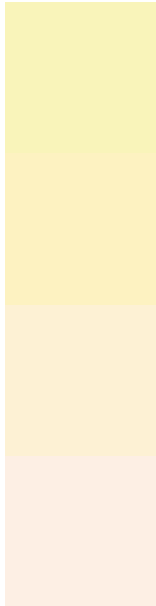
85.9716, 88.5391, 85.2316



## Tritanopia

88.8061, 88.2792, 104.4545

# Trichromacy



## Original Color

80.2805, 88.3863, 59.2834

## Protanomaly

81.8858, 88.2372, 63.1677

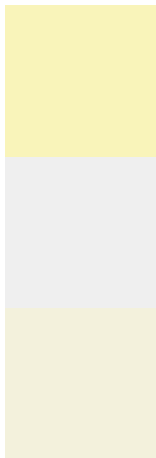
## Deuteranomaly

83.8470, 88.5467, 74.9594

## Tritanomaly

85.3781, 88.2171, 85.9265

# Monochromacy



## Original Color

80.2805, 88.3863, 59.2834

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

81.3357, 87.1326, 80.2416

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.2805, 88.3863, 59.2834 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(249, 244, 186)` looks like.

```
.text, #text, p{  
    color:rgb(249, 244, 186)  
}
```

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(249, 244, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 244, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 80.2805, 88.3863, 59.2834 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(249, 244, 186) }
```



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

```
.border{ border-color:rgb(249, 244, 186) }
```

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

Here you see how a box with a 4 pixel rgb(249, 244, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 244, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 244, 186);  
box-shadow:4px 4px 4px 4px rgb(249, 244,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.2805, 88.3863, 59.2834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 244, 186) }
```

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

```
.background{ background-color: rgb(249,  
244, 186) }
```

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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