

# Converting Colors

XYZ(83.2960, 92.2411, 58.2139)

Have a look what the booklet for  
XYZ(83.2960, 92.2411, 58.2139)  
contains.

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# Color

**XYZ(83.2960, 92.2411,  
58.2139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEF9B7
RGB	254, 249, 183
RGB Percent	100%, 98%, 72%
CMY	0.0039, 0.0235, 0.2823
CMYK	0.00, 0.02, 0.28, 0.00
HSL	56°, 97%, 86%
HSV	56°, 28%, 100%
XYZ	83.2960, 92.2411, 58.2139
YIQ	242.9710, 24.1660, -19.4660

# Conversions

## Conversions Part 2

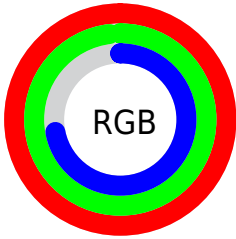
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">188, 254, 183</a>
Decimal	<a href="#">16710071</a>
CIELab	<a href="#">96.92, -8.24, 32.36</a>
CIELCh	<a href="#">97, 33.394, 104.280</a>
Yxy	<a href="#">92.2411, 0.3563, 0.3946</a>
Android (android.graphics.Color)	<a href="#">4294900151 (0xFFFEF9B7)</a>
YUV	<a href="#">242.9710, -29.5657, 9.6724</a>
Hunter-Lab	<a href="#">96.0422, -13.2635, 31.2922</a>

# Details

The XYZ color **83.2960, 92.2411, 58.2139** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.4009, 53.1882, 101.1127**, and the grayscale version is **85.3848, 89.8314, 97.8264**.

A 20% lighter version of the original color is **92.5800, 99.0120, 95.8931**, and **46.0584, 51.5952, 28.3002** is the 20% darker color. If you saturate the color by 10%, you get **80.3386, 90.1819, 45.3411**, and if you desaturate by 10%, it is **86.7405, 94.5099, 73.6049**.

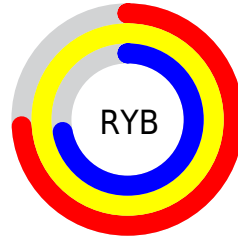
# Distribution



Red (100%)

Green (98%)

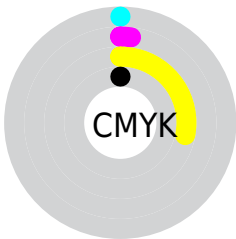
Blue (72%)



Red (74%)

Yellow (100%)

Blue (72%)

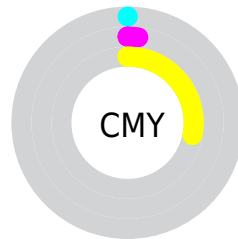


Cyan (0%)

Magenta (2%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (2%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.2960, 92.2411, 58.2139 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 83.2960, 92.2411, 58.2139 by changing the saturation by 10% instead.



83.2960, 92.2411,  
58.2139

83.2960, 92.2411,  
58.2139

494.5415,  
535.2944, 435.6030

62.7521, 69.8409,  
41.5648

136.9163,  
150.4475, 103.7521

45.8986, 51.3968,  
28.4376

170.7235,  
187.0225, 133.4783

32.3701, 36.5245,  
18.4139

209.6824,  
229.0912, 168.4007

21.8012, 24.8396,  
11.0751

254.1585,  
277.0380, 208.9377

13.8267, 15.9576,  
6.0025

304.5171,  
331.2474, 255.5078

8.0811, 9.4941,  
2.7778

361.1236,

4.1992, 5.0649,

392.1036, 308.5298

0.9823

424.3432,  
459.9912, 368.4220

■ 1.8154, 2.2854,  
0.0000

■ 0.5269, 0.7660,  
0.0000

■ 83.2960, 92.2411,  
58.2139

■ 83.2960, 92.2411,  
58.2139

■ 80.3386, 90.1819,  
45.3411

■ 86.7405, 94.5099,  
73.6049

■ 77.8355, 88.3097,  
34.8455

■ 90.6888, 96.9855,  
91.6334

■ 75.7611, 86.6172,  
26.5812

■ 94.4814, 99.4072,  
108.8156

■ 74.0840, 85.0920,  
20.3836

■ 94.6832, 99.8109,  
108.8828

■ 72.7688, 83.7199,  
16.0659

■ 71.7734, 82.4840,  
13.4071

■ 71.0414, 81.3617,  
12.1095

■ 70.9073, 81.1392,  
11.9242

# Harmonies

## Analogous

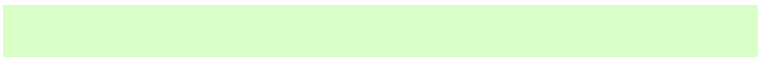
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.6531, 92.2411, 58.4478



83.2960, 92.2411, 58.2139



75.6672, 92.2411, 67.7917

# Triad

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



83.2960, 92.2411, 58.2139



75.3770, 92.2411, 141.0114



106.2159, 92.2411, 115.0980

# Complementary

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



83.2960, 92.2411, 58.2139



55.4009, 53.1882, 101.1127

# 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.



100.8847, 92.2411, 142.1657



83.2960, 92.2411, 58.2139



82.8735, 92.2411, 158.8504

# Square

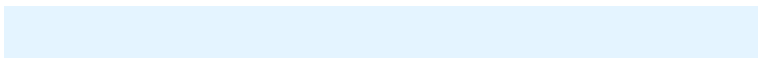
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.2960, 92.2411, 58.2139



71.3211, 92.2411, 113.7301



92.1995, 92.2411, 159.3070

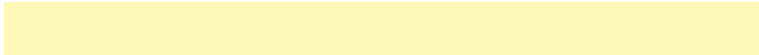


106.3493, 92.2411, 88.2184

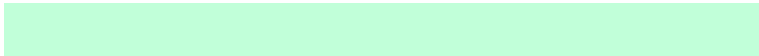


# Rectangle

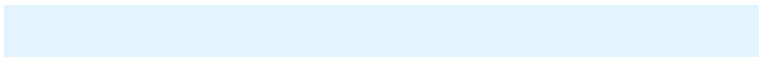
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.2960, 92.2411, 58.2139



72.3986, 92.2411, 79.6345



92.1995, 92.2411, 159.3070



104.9561, 92.2411, 124.5743

# Sweetspot

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



83.2984, 92.2453, 58.2158



91.4816, 97.8429, 92.3586



66.9837, 58.6094, 55.8803



19.4454, 20.8590, 19.1456



0.0000, 0.0000, 0.0000

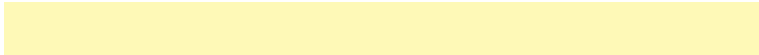


20.3446, 21.4041, 23.3091



# Same Dimension

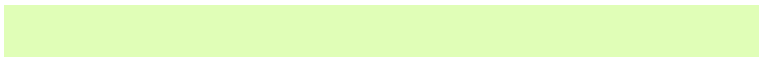
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2984, 92.2453, 58.2158



82.1812, 91.7889, 50.5781



74.8596, 90.2170, 58.2691



19.4454, 20.8590, 19.1456



37.4290, 42.8691, 6.3019



3.6758, 4.2370, 0.6241



# Inverse Universe

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



55.4009, 53.1882, 101.1127



49.4755, 46.0041, 100.8798



62.1437, 55.1078, 101.1278



17.1056, 17.5828, 22.7422



9.5813, 4.0722, 49.7156



0.9670, 0.4647, 4.8520



# Previews

## White Background



This preview shows how the XYZ color 83.2960, 92.2411, 58.2139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

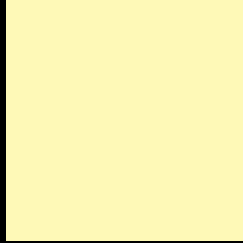
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.2960, 92.2411, 58.2139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

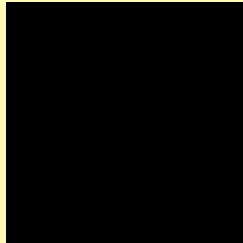
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 83.2960, 92.2411, 58.2139**

## **Background**



This preview shows how black text looks on a background with the XYZ color 83.2960, 92.2411, 58.2139.



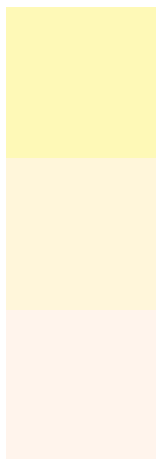
This preview shows how white text looks on a background with the XYZ color 83.2960, 92.2411,



# 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

83.2960, 92.2411, 58.2139

### Protanopia

86.8507, 92.2335, 79.5550

### Deuteranopia

88.7310, 92.0175, 92.4414



## Tritanopia

90.8613, 92.3895, 105.1395

# Trichromacy



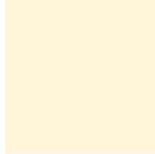
## Original Color

83.2960, 92.2411, 58.2139



## Protanomaly

85.5202, 92.1893, 71.0445



## Deuteranomaly

86.7202, 92.1813, 78.8678



## Tritanomaly

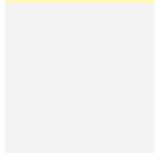
87.7575, 92.1109, 85.8269

# Monochromacy



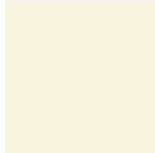
## Original Color

83.2960, 92.2411, 58.2139



## Achromatopsia

85.1904, 89.6269, 97.6037



## Achromatomaly

84.0613, 90.2994, 81.4056

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.2960, 92.2411, 58.2139 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, 249, 183)` looks like.

```
.text, #text, p{  
    color:rgb(254, 249, 183)  
}
```

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, 249, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 249, 183) }
```

## Border

The CSS property to change the border of an element to XYZ 83.2960, 92.2411, 58.2139 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, 249, 183) }
```



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

```
.border{ border-color:rgb(254, 249, 183) }
```

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

Here you see how a box with a 4 pixel rgb(254, 249, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 249, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 249, 183);  
box-shadow:4px 4px 4px 4px rgb(254, 249,  
183) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.2960, 92.2411, 58.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 249, 183) }
```

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

```
.background{ background-color: rgb(254,  
249, 183) }
```

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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