

# Converting Colors

XYZ(85.1720, 85.7500, 60.5043)

Have a look what the booklet for  
XYZ(85.1720, 85.7500, 60.5043)  
contains.

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# Color

**XYZ(79.3909, 82.6909,  
60.4918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8BE
RGB	255, 232, 190
RGB Percent	100%, 91%, 75%
CMY	0.0000, 0.0902, 0.2549
CMYK	0.00, 0.09, 0.25, 0.00
HSL	39°, 100%, 87%
HSV	39°, 25%, 100%
XYZ	79.3909, 82.6909, 60.4918
YIQ	234.0890, 27.1900, -8.1860

# Conversions

## Conversions Part 2

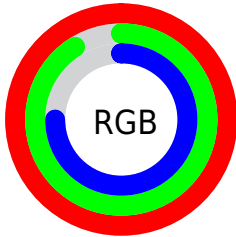
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 255, 190
Decimal	16771262
CIE Lab	92.88, 1.58, 23.31
CIE LCh	93, 23.360, 86.126
Yxy	82.6909, 0.3567, 0.3715
Android (android.graphics.Color)	4294961342 (0xFFFFE8BE)
YUV	234.0890, -21.7359, 18.3389
Hunter-Lab	90.9345, -3.2950, 24.2131

# Details

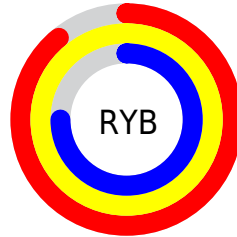
The XYZ color **79.3909, 82.6909, 60.4918** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.0789, 65.7537, 103.9749**, and the grayscale version is **78.4208, 82.5048, 89.8477**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **43.2580, 44.8340, 29.6664** is the 20% darker color. If you saturate the color by 10%, you get **74.3700, 76.7260, 46.2500**, and if you desaturate by 10%, it is **85.0337, 89.1188, 77.3486**.

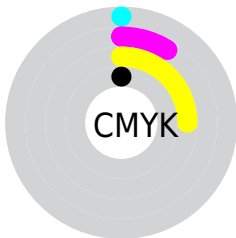
# Distribution



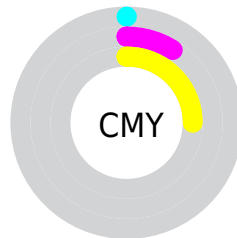
- Red (100%)
- Green (91%)
- Blue (75%)



- Red (89%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (9%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (9%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.3909, 82.6909, 60.4918 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 79.3909, 82.6909, 60.4918 by changing the saturation by 10% instead.





 79.3909, 82.6909,  
60.4918

 79.3909, 82.6909,  
60.4918


481.6456,  
503.9558, 444.2630

 59.5240, 61.9352,  
43.3873


 131.4641,  
137.1425, 107.0931

 43.2831, 44.9803,  
29.8554


164.4010,  
171.6071, 137.4270

 30.3028, 31.4419,  
19.4778


202.4254,  
211.4102, 173.0077

 20.2177, 20.9356,  
11.8357

245.9025,  
256.9361, 214.2538

 12.6626, 13.0769,  
6.5107

295.1977,  
308.5692, 261.5838

 7.2720, 7.4815,  
3.0843

350.6764,

 3.6806, 3.7650,

366.6939, 315.4164

1.1378

412.7039,  
431.6946, 376.1699

■ 1.5231, 1.5430,  
0.0000

■ 0.3415, 0.3187,  
0.0000

■ 79.3909, 82.6909,  
60.4918

■ 79.3909, 82.6909,  
60.4918

■ 74.3700, 76.7260,  
46.2500

■ 85.0337, 89.1188,  
77.3486

■ 69.9379, 71.1993,  
34.4836

■ 91.3180, 96.0121,  
96.9398

■ 66.0668, 66.0992,  
25.0477

95.0500, 100.0000,  
108.9000

■ 62.7240, 61.4096,  
17.7803

■ 59.8728, 57.1123,  
12.4981

■ 57.4707, 53.1870,  
8.9875

■ 55.4653, 49.6092,  
6.9843

■ 54.6575, 48.0950,  
6.4025

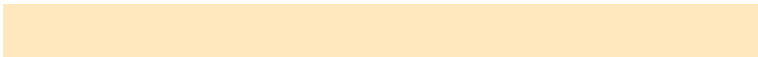
# Harmonies

## Analogous

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



85.3200, 82.6909, 64.9130



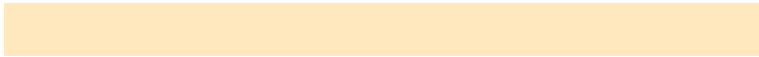
79.3909, 82.6909, 60.4918



73.5395, 82.6909, 63.1040

# Triad

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



79.3909, 82.6909, 60.4918



68.5217, 82.6909, 105.6633



88.7479, 82.6909, 110.1006

# Complementary

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



79.3909, 82.6909, 60.4918



63.0789, 65.7537, 103.9749

# Split Complementary

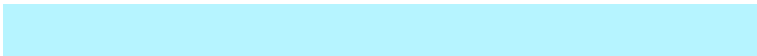
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.8774, 82.6909, 123.7122



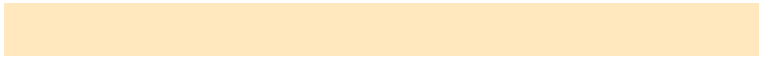
79.3909, 82.6909, 60.4918



72.2334, 82.6909, 120.9264

# Square

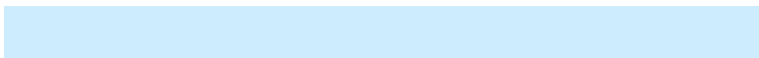
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.3909, 82.6909, 60.4918



67.4574, 82.6909, 87.7843



77.8049, 82.6909, 127.9083



90.8962, 82.6909, 92.3266

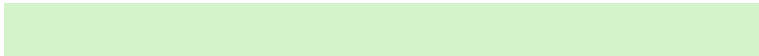


# Rectangle

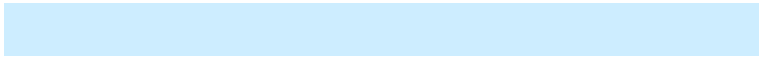
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.3909, 82.6909, 60.4918



70.4347, 82.6909, 68.6916



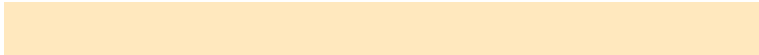
77.8049, 82.6909, 127.9083



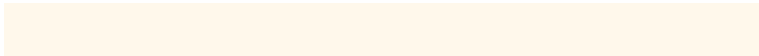
87.3629, 82.6909, 115.3996

# Sweetspot

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



79.3929, 82.6945, 60.4935



89.6785, 94.2367, 91.7575



71.7704, 62.9344, 71.8725



18.9889, 19.9459, 18.9935



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

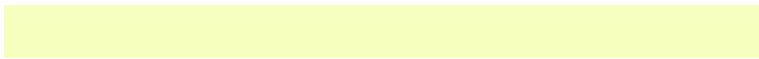
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3929, 82.6945, 60.4935



76.5502, 79.3501, 52.3298



83.1776, 94.8910, 62.6482



18.9889, 19.9459, 18.9935



28.7056, 25.4224, 3.3941



2.8979, 2.6812, 0.3648



# Inverse Universe

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



63.0789, 65.7537, 103.9749



57.5158, 59.5895, 103.0783



59.9292, 56.1446, 102.2861



17.5287, 18.4290, 22.8832



11.4779, 7.8654, 50.3478



1.2159, 0.9625, 4.9350



# Previews

## White Background



This preview shows how the XYZ color 79.3909, 82.6909, 60.4918 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 79.3909, 82.6909, 60.4918 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

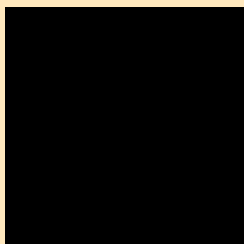
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.3909, 82.6909, 60.4918**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.3909, 82.6909, 60.4918.



This preview shows how white text looks on a background with the XYZ color 79.3909, 82.6909,

60.4918.

# 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

79.3909, 82.6909, 60.4918

### Protanopia

77.8937, 82.7470, 61.1565

### Deuteranopia

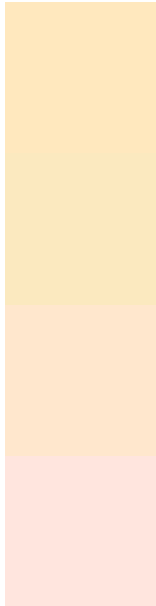
81.6744, 82.7087, 75.2780



## Tritanopia

84.4373, 82.4894, 93.9098

# Trichromacy



## Original Color

79.3909, 82.6909, 60.4918

## Protanomaly

78.3265, 82.5486, 61.0954

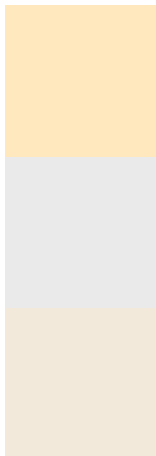
## Deuteranomaly

80.8354, 82.8196, 69.4829

## Tritanomaly

82.4441, 82.5725, 80.7001

# Monochromacy



## Original Color

79.3909, 82.6909, 60.4918

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.4118, 82.2170, 78.0664

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.3909, 82.6909, 60.4918 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, 232, 190)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 190)  
}
```

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, 232, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 79.3909, 82.6909, 60.4918 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, 232, 190) }
```



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

```
.border{ border-color:rgb(255, 232, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 190);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.3909, 82.6909, 60.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 190) }
```

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

```
.background{ background-color: rgb(255,  
232, 190) }
```

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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