

# Converting Colors

XYZ(115.0220, 98.0290,  
66.2150)

Have a look what the booklet for  
XYZ(115.0220, 98.0290, 66.2150)  
contains.

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# **Color**

**XYZ(78.3583, 79.1876,  
64.5809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1C6
RGB	255, 225, 198
RGB Percent	100%, 88%, 78%
CMY	0.0000, 0.1176, 0.2235
CMYK	0.00, 0.12, 0.22, 0.00
HSL	28°, 100%, 89%
HSV	28°, 22%, 100%
XYZ	78.3583, 79.1876, 64.5809
YIQ	230.8920, 26.5470, -2.0370

# Conversions

## Conversions Part 2

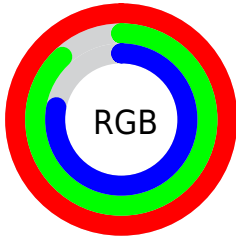
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 249, 198
Decimal	16769478
CIE Lab	91.32, 6.25, 16.99
CIE LCh	91, 18.107, 69.803
Yxy	79.1876, 0.3528, 0.3565
Android (android.graphics.Color)	4294959558 (0xFFFFE1C6)
YUV	230.8920, -16.2158, 21.1427
Hunter-Lab	88.9874, 1.4511, 19.2626

# Details

The XYZ color **78.3583, 79.1876, 64.5809** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.0814, 74.7104, 105.3873**, and the grayscale version is **75.9799, 79.9367, 87.0511**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6975, 42.7688, 32.3904** is the 20% darker color. If you saturate the color by 10%, you get **72.1752, 71.1388, 49.2100**, and if you desaturate by 10%, it is **85.3254, 88.0116, 82.6581**.

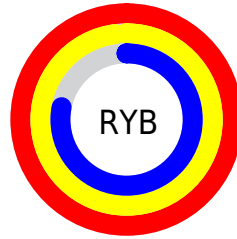
# Distribution



Red (100%)

Green (88%)

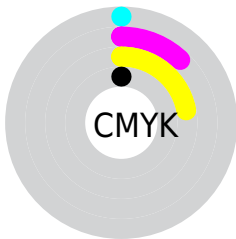
Blue (78%)



Red (100%)

Yellow (98%)

Blue (78%)

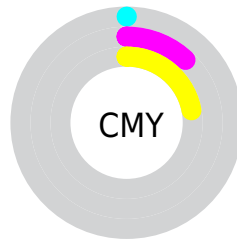


Cyan (0%)

Magenta (12%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3583, 79.1876, 64.5809 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 78.3583, 79.1876, 64.5809 by changing the saturation by 10% instead.




 78.3583, 79.1876,  
64.5809

 78.3583, 79.1876,  
64.5809


478.2040,  
492.1908, 459.5493

 58.6722, 59.0501,  
46.6721


130.0178,  
132.2229, 113.0546

 42.5946, 42.6534,  
32.4241


162.7218,  
165.8895, 144.4566

 29.7603, 29.6133,  
21.4181


200.4959,  
204.8346, 181.1935

 19.8039, 19.5452,  
13.2358

243.7054,  
249.4425, 223.6837

 12.3600, 12.0649,  
7.4585

292.7156,  
300.0977, 272.3459

 7.0633, 6.7879,  
3.6677

347.8918,

 3.5484, 3.3298,

357.1845, 327.5985

1.4449

409.5995,  
421.0874, 389.8601

■ 1.4500, 1.3062,  
0.1763

■ 0.2914, 0.1460,  
0.0000

■ 78.3583, 79.1876,  
64.5809

■ 78.3583, 79.1876,  
64.5809

■ 72.1752, 71.1388,  
49.2100

■ 85.3254, 88.0116,  
82.6581

■ 66.7393, 63.8320,  
36.4078

■ 93.1005, 97.6223,  
103.5601

■ 62.0187, 57.2462,  
26.0318

■ 95.0500, 100.0000,  
108.9000

■ 57.9770, 51.3557,  
17.9237

■ 54.5733, 46.1324,  
11.9059

■ 51.7619, 41.5459,  
7.7738

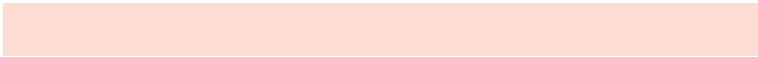
■ 49.4882, 37.5615,  
5.2806

■ 48.0546, 34.8892,  
4.2015

# Harmonies

## Analogous

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



82.2617, 79.1876, 71.0120



78.3583, 79.1876, 64.5809



73.7706, 79.1876, 63.6070

# Triad

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



78.3583, 79.1876, 64.5809



66.8878, 79.1876, 90.6037



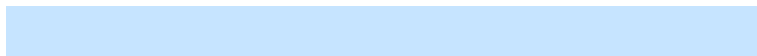
81.0662, 79.1876, 107.1666

# Complementary

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



78.3583, 79.1876, 64.5809



69.0814, 74.7104, 105.3873

# Split Complementary

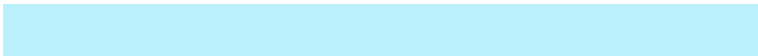
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.7803, 79.1876, 113.6471



78.3583, 79.1876, 64.5809



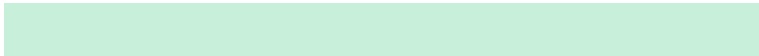
68.6775, 79.1876, 103.4617

# Square

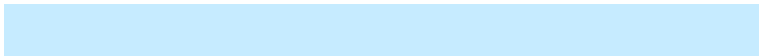
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3583, 79.1876, 64.5809



67.2716, 79.1876, 77.7747



72.2551, 79.1876, 112.2263



83.8688, 79.1876, 95.2595



# Rectangle

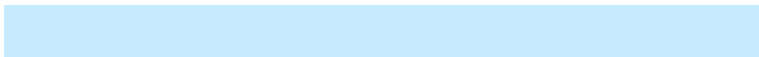
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3583, 79.1876, 64.5809



70.9575, 79.1876, 66.0696



72.2551, 79.1876, 112.2263



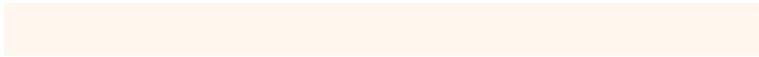
79.7443, 79.1876, 110.1043

# Sweetspot

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



78.3601, 79.1910, 64.5825



89.3843, 93.0558, 93.4862



75.4938, 67.2727, 82.6969



19.0314, 19.7936, 19.7397



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.



78.3601, 79.1910, 64.5825



75.3903, 75.3544, 57.1094



86.5901, 95.6511, 67.3259



18.7192, 19.4065, 18.9036



25.2566, 18.5244, 2.2444

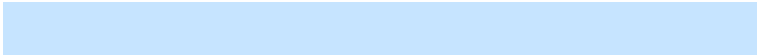


2.5676, 2.0205, 0.2547



# Inverse Universe

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



69.0814, 74.7104, 105.3873



64.5586, 70.1229, 104.7402



61.9707, 60.4891, 103.0171



17.7942, 18.9600, 22.9717



14.0504, 13.0103, 51.2053

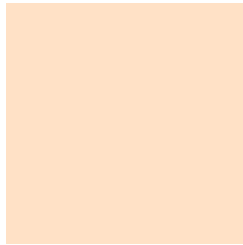


1.4775, 1.4856, 5.0222



# Previews

## White Background



This preview shows how the XYZ color 78.3583, 79.1876, 64.5809 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 78.3583, 79.1876, 64.5809 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 78.3583, 79.1876, 64.5809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.3583, 79.1876, 64.5809.



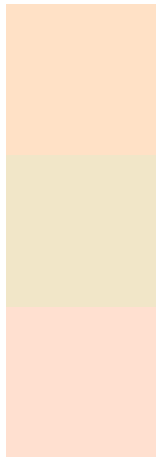
This preview shows how white text looks on a background with the XYZ color 78.3583, 79.1876,



# 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

78.3583, 79.1876, 64.5809

### Protanopia

74.9978, 79.4645, 66.0290

### Deuteranopia

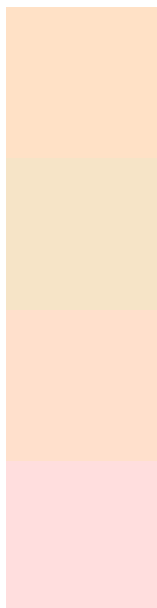
79.2808, 79.1254, 70.7687



## Tritanopia

82.2368, 79.0290, 90.2767

# Trichromacy



## Original Color

78.3583, 79.1876, 64.5809

## Protanomaly

76.0582, 79.2032, 65.3119

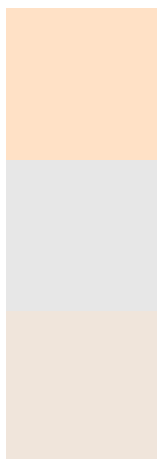
## Deuteranomaly

78.7947, 78.9309, 68.2090

## Tritanomaly

80.5461, 78.7765, 80.0674

# Monochromacy



## Original Color

78.3583, 79.1876, 64.5809

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.7407, 79.6784, 78.3526

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.3583, 79.1876, 64.5809 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, 225, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 198)  
}
```

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, 225, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 78.3583, 79.1876, 64.5809 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, 225, 198) }
```



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

```
.border{ border-color:rgb(255, 225, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.3583, 79.1876, 64.5809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 198) }
```

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

```
.background{ background-color: rgb(255,  
225, 198) }
```

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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