

# Converting Colors

XYZ(79.0850, 79.5115, 68.3058)

Have a look what the booklet for  
XYZ(79.0850, 79.5115, 68.3058)  
contains.

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# **Color**

**XYZ(79.0643, 79.4701,  
68.2989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE1CC
RGB	255, 225, 204
RGB Percent	100%, 88%, 80%
CMY	0.0000, 0.1176, 0.2000
CMYK	0.00, 0.12, 0.20, 0.00
HSL	25°, 100%, 90%
HSV	25°, 20%, 100%
XYZ	79.0643, 79.4701, 68.2989
YIQ	231.5760, 24.6210, -0.1710

# Conversions

## Conversions Part 2

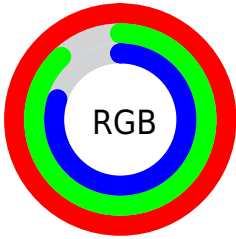
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 240, 204
Decimal	16769484
CIE Lab	91.45, 7.11, 14.05
CIE LCh	91, 15.743, 63.169
Yxy	79.4701, 0.3486, 0.3503
Android (android.graphics.Color)	4294959564 (0xFFFFE1CC)
YUV	231.5760, -13.5950, 20.5428
Hunter-Lab	89.1460, 2.3076, 16.9774

# Details

The XYZ color **79.0643, 79.4701, 68.2989** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.3738, 78.9007, 106.0226**, and the grayscale version is **76.4720, 80.4545, 87.6150**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1684, 42.9572, 34.8705** is the 20% darker color. If you saturate the color by 10%, you get **72.3752, 70.5922, 52.1952**, and if you desaturate by 10%, it is **86.6142, 89.2676, 87.1619**.

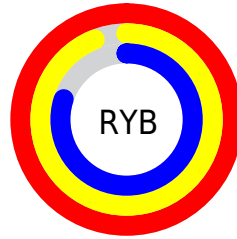
# Distribution



Red (100%)

Green (88%)

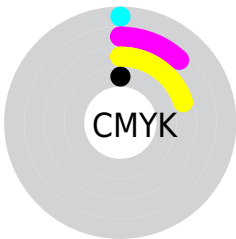
Blue (80%)



Red (100%)

Yellow (94%)

Blue (80%)

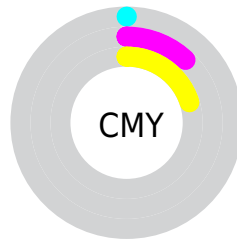


Cyan (0%)

Magenta (12%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (12%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0643, 79.4701, 68.2989 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 79.0643, 79.4701, 68.2989 by changing the saturation by 10% instead.




 79.0643, 79.4701,  
68.2989

 79.0643, 79.4701,  
68.2989


480.5585,  
493.1452, 473.1811

 59.2545, 59.2824,  
49.6727


131.0068,  
132.6205, 118.4379

 43.0652, 42.8405,  
34.7841


163.8703,  
166.3519, 150.7878

 30.1310, 29.7600,  
23.2144


201.8156,  
205.3667, 188.5494

 20.0866, 19.6565,  
14.5451

245.2082,  
250.0493, 232.1412

 12.5666, 12.1456,  
8.3577

294.4135,  
300.7841, 281.9817

 7.2058, 6.8429,  
4.2336

349.7967,

 3.6386, 3.3640,

357.9554, 338.4895

1.7544

411.7233,  
421.9476, 402.0831

■ 1.4998, 1.3246,  
0.3976

■ 0.3257, 0.1601,  
0.0000

■ 79.0643, 79.4701,  
68.2989

■ 79.0643, 79.4701,  
68.2989

■ 72.3752, 70.5922,  
52.1952

■ 86.6142, 89.2676,  
87.1619

■ 66.5076, 62.5954,  
38.7146

95.0500, 100.0000,  
108.9000

■ 61.4277, 55.4537,  
27.7166

■ 57.0966, 49.1357,  
19.0457

■ 53.4715, 43.6078,  
12.5282

■ 50.5047, 38.8332,  
7.9658

■ 48.1404, 34.7713,  
5.1226

■ 46.2944, 31.3688,  
3.6148

■ 46.2943, 31.3685,  
3.6148

# Harmonies

## Analogous

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



82.1669, 79.4701, 75.0122



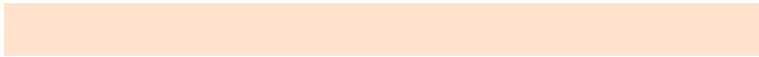
79.0643, 79.4701, 68.2989



75.1089, 79.4701, 66.3188

# Triad

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



79.0643, 79.4701, 68.2989



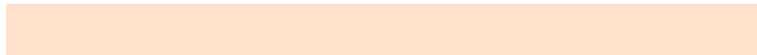
68.1009, 79.4701, 87.7549



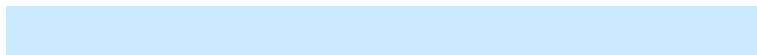
79.8272, 79.4701, 106.3401

# Complementary

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



79.0643, 79.4701, 68.2989



72.3738, 78.9007, 106.0226

# 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.



75.9606, 79.4701, 110.4782



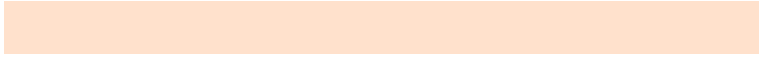
79.0643, 79.4701, 68.2989



69.2679, 79.4701, 99.1690

# Square

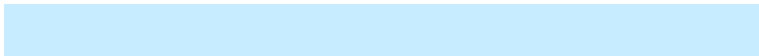
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.0643, 79.4701, 68.2989



68.8667, 79.4701, 76.9494



72.1103, 79.4701, 107.7456



82.6182, 79.4701, 96.8734



# Rectangle

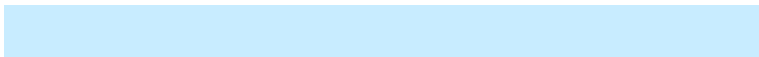
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.0643, 79.4701, 68.2989



72.5436, 79.4701, 67.7914



72.1103, 79.4701, 107.7456



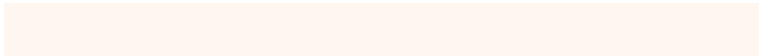
78.6054, 79.4701, 108.4365

# Sweetspot

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



79.0662, 79.4736, 68.3006



89.8799, 93.4460, 95.5043



77.7710, 70.4217, 87.7889



19.1217, 19.8530, 20.1434



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

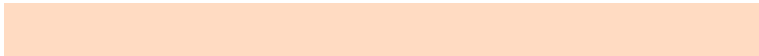


# Same Dimension

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



79.0662, 79.4736, 68.3006



76.2883, 75.8124, 61.5337



86.2939, 93.9289, 70.7098



18.6238, 19.2158, 18.8718



24.3282, 16.6676, 1.9349

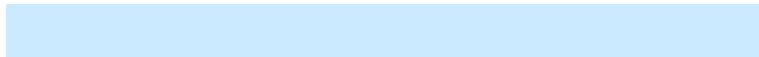


2.4732, 1.8318, 0.2232

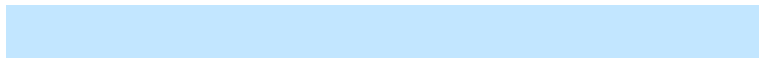


# Inverse Universe

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



72.3738, 78.9007, 106.0226



68.4863, 75.1417, 105.5019



65.7777, 65.7084, 103.8239



17.8909, 19.1535, 23.0040



15.2788, 15.4672, 51.6148

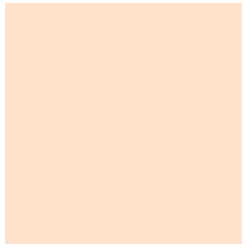


1.5953, 1.7214, 5.0614



# Previews

## White Background



This preview shows how the XYZ color 79.0643, 79.4701, 68.2989 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

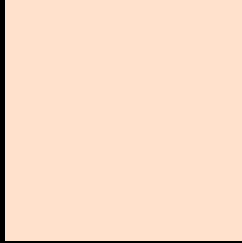
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0643, 79.4701, 68.2989 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

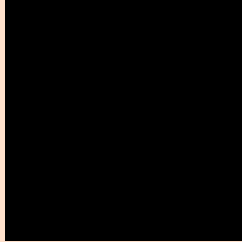
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.0643, 79.4701, 68.2989**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.0643, 79.4701, 68.2989.



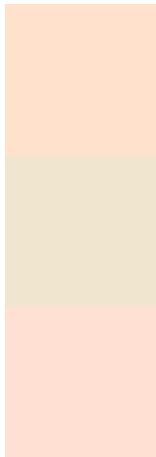
This preview shows how white text looks on a background with the XYZ color 79.0643, 79.4701,



# 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

79.0643, 79.4701, 68.2989

### Protanopia

75.4945, 79.6239, 70.4214

### Deuteranopia

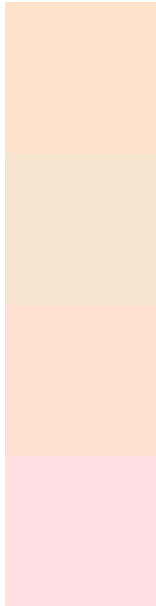
79.6535, 79.2745, 72.7313



## Tritanopia

82.5016, 79.5587, 90.3649

# Trichromacy



## Original Color

79.0643, 79.4701, 68.2989

## Protanomaly

76.5402, 79.3555, 69.6756

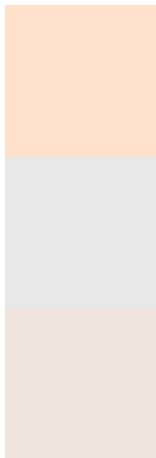
## Deuteranomaly

79.2808, 79.1254, 70.7687

## Tritanomaly

81.0822, 79.4172, 81.5766

# Monochromacy



## Original Color

79.0643, 79.4701, 68.2989

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

77.1393, 79.8378, 80.4518

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.0643, 79.4701, 68.2989 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0643, 79.4701, 68.2989 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, 204) }
```



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

```
.border{ border-color:rgb(255, 225, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0643, 79.4701, 68.2989 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, 204) }
```

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

```
.background{ background-color: rgb(255,  
225, 204) }
```

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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