

# Converting Colors

XYZ(117.6071, 100.0000,  
70.0201)

Have a look what the booklet for  
XYZ(117.6071, 100.0000, 70.0201)  
contains.

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# **Color**

**XYZ(79.6082, 80.5578,  
68.4802)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFE3CC
RGB	255, 227, 204
RGB Percent	100%, 89%, 80%
CMY	0.0000, 0.1098, 0.2000
CMYK	0.00, 0.11, 0.20, 0.00
HSL	27°, 100%, 90%
HSV	27°, 20%, 100%
XYZ	79.6082, 80.5578, 68.4802
YIQ	232.7500, 24.0710, -1.2170

# Conversions

## Conversions Part 2

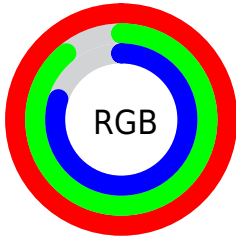
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 246, 204
Decimal	16769996
CIE Lab	91.93, 6.08, 14.74
CIE LCh	92, 15.943, 67.588
Yxy	80.5578, 0.3482, 0.3523
Android (android.graphics.Color)	4294960076 (0xFFFFE3CC)
YUV	232.7500, -14.1737, 19.5133
Hunter-Lab	89.7540, 1.2529, 17.5909

# Details

The XYZ color **79.6082, 80.5578, 68.4802** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.8077, 77.7684, 105.8339**, and the grayscale version is **77.3563, 81.3848, 88.6281**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5462, 43.7128, 34.9964** is the 20% darker color. If you saturate the color by 10%, you get **73.1228, 72.0875, 52.4444**, and if you desaturate by 10%, it is **86.9094, 89.8580, 87.2604**.

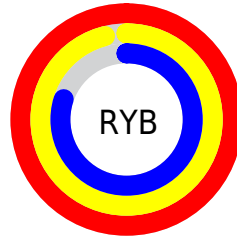
# Distribution



Red (100%)

Green (89%)

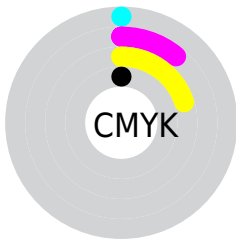
Blue (80%)



Red (100%)

Yellow (96%)

Blue (80%)

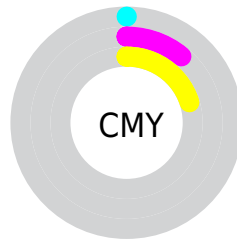


Cyan (0%)

Magenta (11%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6082, 80.5578, 68.4802 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 79.6082, 80.5578, 68.4802 by changing the saturation by 10% instead.




 79.6082, 80.5578,  
68.4802

 79.6082, 80.5578,  
68.4802


482.3681,  
496.8107, 473.8397

 59.7034, 60.1775,  
49.8194


131.7682,  
134.1497, 118.6995

 43.4281, 43.5617,  
34.8997


164.7540,  
168.1300, 151.0951

 30.4171, 30.3261,  
23.3027


202.8308,  
207.4125, 188.9061

 20.3051, 20.0862,  
14.6098

246.3641,  
252.3815, 232.5509

 12.7265, 12.4577,  
8.4024

295.7191,  
303.4214, 282.4481

 7.3162, 7.0562,  
4.2621

351.2612,

 3.7087, 3.4973,

360.9167, 339.0163

1.7702

413.3558,  
425.2516, 402.6740

■ 1.5387, 1.3965,  
0.4082

■ 0.3519, 0.2142,  
0.0000

■ 79.6082, 80.5578,  
68.4802

■ 79.6082, 80.5578,  
68.4802

■ 73.1228, 72.0875,  
52.4444

■ 86.9094, 89.8580,  
87.2604

■ 67.4160, 64.4121,  
39.0174

95.0500, 100.0000,  
108.9000

■ 62.4555, 57.5092,  
28.0592

■ 58.2044, 51.3514,  
19.4150

■ 54.6222, 45.9093,  
12.9118

■ 51.6633, 41.1505,  
8.3521

■ 49.2744, 37.0393,  
5.5006

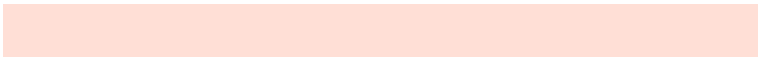
■ 47.3738, 33.5276,  
3.9747

■ 47.3737, 33.5274,  
3.9746

# Harmonies

## Analogous

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



82.9761, 80.5578, 74.6688



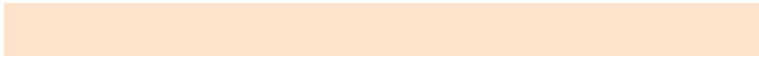
79.6082, 80.5578, 68.4802



75.5330, 80.5578, 67.2118

# Triad

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



79.6082, 80.5578, 68.4802



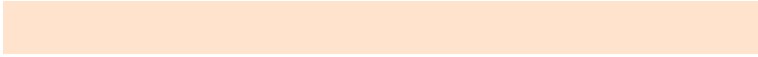
69.0273, 80.5578, 90.7245



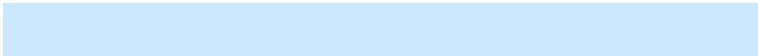
81.4703, 80.5578, 106.8174

# Complementary

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



79.6082, 80.5578, 68.4802



71.8077, 77.7684, 105.8339

# 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.



77.6120, 80.5578, 112.0109



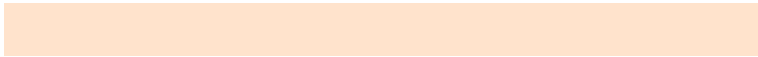
79.6082, 80.5578, 68.4802



70.4982, 80.5578, 102.1959

# Square

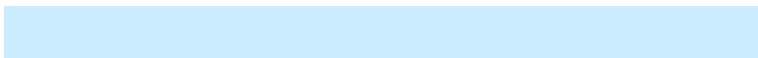
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6082, 80.5578, 68.4802



69.5190, 80.5578, 79.3966



73.6058, 80.5578, 110.2484



84.0776, 80.5578, 96.5923



# Rectangle

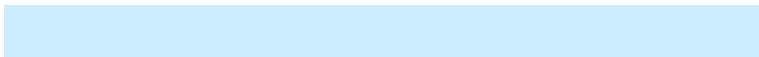
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6082, 80.5578, 68.4802



72.9799, 80.5578, 69.2124



73.6058, 80.5578, 110.2484



80.2713, 80.5578, 109.2492

# Sweetspot

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



79.6101, 80.5613, 68.4819



90.0627, 93.8115, 95.5652



77.4060, 70.2757, 85.8666



19.1649, 19.9393, 20.1578



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.



79.6101, 80.5613, 68.4819



76.9190, 77.0737, 61.7439



87.0912, 95.5236, 70.9756



18.6841, 19.3364, 18.8919



24.8981, 17.8075, 2.1249

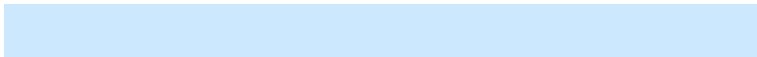


2.5316, 1.9485, 0.2427

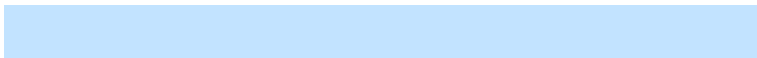


# Inverse Universe

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



71.8077, 77.7684, 105.8339



67.8237, 73.8167, 105.2811



65.1567, 64.4664, 103.6169



17.8296, 19.0307, 22.9835



14.4811, 13.8718, 51.3489

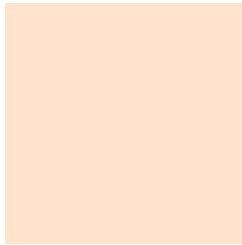


1.5192, 1.5690, 5.0361



# Previews

## White Background



This preview shows how the XYZ color 79.6082, 80.5578, 68.4802 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

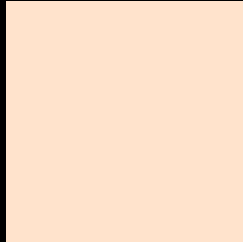
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.6082, 80.5578, 68.4802 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

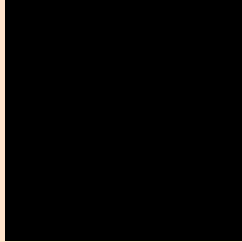
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.6082, 80.5578, 68.4802

## Background



This preview shows how black text looks on a background with the XYZ color 79.6082, 80.5578, 68.4802.



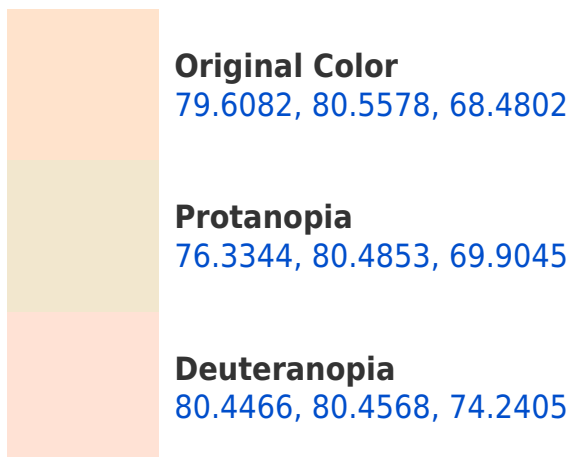
This preview shows how white text looks on a background with the XYZ color 79.6082, 80.5578,



# 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

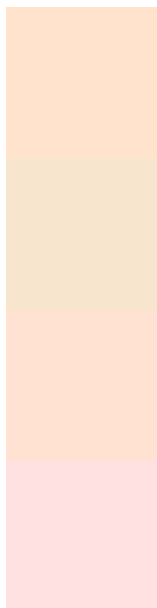




## Tritanopia

83.3283, 80.7444, 92.0823

# Trichromacy



## Original Color

79.6082, 80.5578, 68.4802

## Protanomaly

77.6740, 80.7756, 69.2550

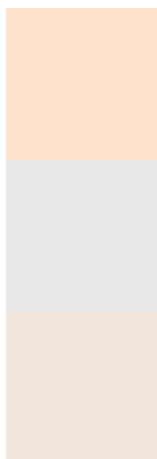
## Deuteranomaly

80.0692, 80.3059, 72.2532

## Tritanomaly

81.8927, 80.6014, 83.1929

# Monochromacy



## Original Color

79.6082, 80.5578, 68.4802

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

78.0364, 81.1265, 80.6533

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6082, 80.5578, 68.4802 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, 227, 204) looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 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, 227, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6082, 80.5578, 68.4802 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, 227, 204) }
```



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

```
.border{ border-color:rgb(255, 227, 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, 227, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.6082, 80.5578, 68.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 204) }
```

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

```
.background{ background-color: rgb(255,  
227, 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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