

# Converting Colors

XYZ(80.0851, 81.5117, 68.6391)

Have a look what the booklet for  
XYZ(80.0851, 81.5117, 68.6391)  
contains.

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# Color

**XYZ(80.1584, 81.6583,  
68.6636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE5CC
RGB	255, 229, 204
RGB Percent	100%, 90%, 80%
CMY	0.0000, 0.1019, 0.2000
CMYK	0.00, 0.10, 0.20, 0.00
HSL	29°, 100%, 90%
HSV	29°, 20%, 100%
XYZ	80.1584, 81.6583, 68.6636
YIQ	233.9240, 23.5210, -2.2630

# Conversions

## Conversions Part 2

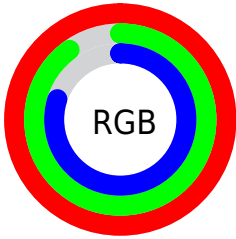
Format	Color
R <sub>Y</sub> B	255, 253, 204
Decimal	16770508
CIE Lab	92.42, 5.05, 15.43
CIE LCh	92, 16.235, 71.868
Yxy	81.6583, 0.3478, 0.3543
Android (android.graphics.Color)	4294960588 (0xFFFFE5CC)
YUV	233.9240, -14.7525, 18.4837
Hunter-Lab	90.3650, 0.2000, 18.2041

# Details

The XYZ color **80.1584, 81.6583, 68.6636** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.2479, 76.6487, 105.6473**, and the grayscale version is **78.2466, 82.3215, 89.6482**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9298, 44.4799, 35.1243** is the 20% darker color. If you saturate the color by 10%, you get **73.8846, 73.6109, 52.6983**, and if you desaturate by 10%, it is **87.2063, 90.4517, 87.3593**.

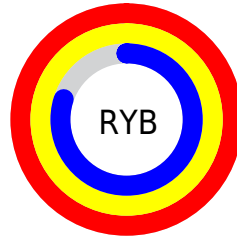
# Distribution



Red (100%)

Green (90%)

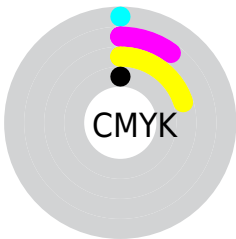
Blue (80%)



Red (100%)

Yellow (99%)

Blue (80%)

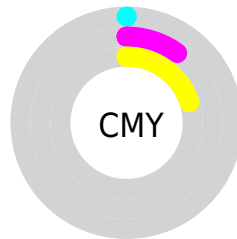


Cyan (0%)

Magenta (10%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.1584, 81.6583, 68.6636 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 80.1584, 81.6583, 68.6636 by changing the saturation by 10% instead.




 80.1584, 81.6583,  
68.6636

 80.1584, 81.6583,  
68.6636


484.1949,  
500.5040, 474.5054

 60.1576, 61.0839,  
49.9677


132.5378,  
135.6947, 118.9641

 43.7956, 44.2929,  
35.0168


165.6471,  
169.9255, 151.4059

 30.7071, 30.9008,  
23.3921


203.8566,  
209.4773, 189.2667

 20.5266, 20.5234,  
14.6753

247.5317,  
254.7344, 232.9651

 12.8889, 12.7760,  
8.4477

297.0377,  
306.0812, 282.9196

 7.4286, 7.2745,  
4.2909

352.7400,

 3.7802, 3.6344,

363.9022, 339.5488

1.7863

415.0040,  
428.5816, 403.2712

■ 1.5786, 1.4712,  
0.4189

■ 0.3784, 0.2683,  
0.0000

■ 80.1584, 81.6583,  
68.6636

■ 80.1584, 81.6583,  
68.6636

■ 73.8846, 73.6109,  
52.6983

■ 87.2063, 90.4517,  
87.3593

■ 68.3486, 66.2774,  
39.3282

95.0500, 100.0000,  
108.9000

■ 63.5202, 59.6386,  
28.4141

■ 59.3639, 53.6704,  
19.8015

■ 55.8411, 48.3469,  
13.3180

■ 52.9078, 43.6395,  
8.7669

■ 50.5131, 39.5166,  
5.9135

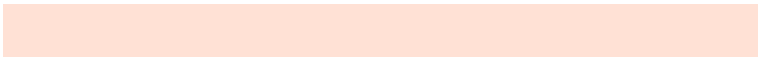
■ 48.5772, 35.9343,  
4.3758

■ 48.5771, 35.9341,  
4.3757

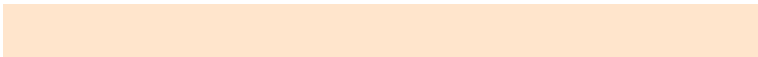
# Harmonies

## Analogous

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



83.7946, 81.6583, 74.3296



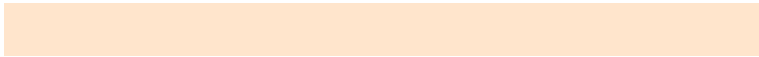
80.1584, 81.6583, 68.6636



75.9621, 81.6583, 68.1136

# Triad

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



80.1584, 81.6583, 68.6636



69.9639, 81.6583, 93.7618



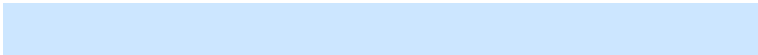
83.1385, 81.6583, 107.3031

# Complementary

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



80.1584, 81.6583, 68.6636



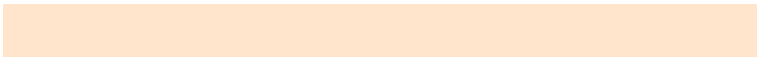
71.2479, 76.6487, 105.6473

# 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.



79.2892, 81.6583, 113.5641



80.1584, 81.6583, 68.6636



71.7446, 81.6583, 105.2868

# Square

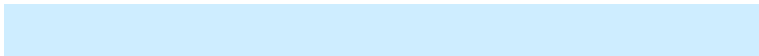
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1584, 81.6583, 68.6636



70.1776, 81.6583, 81.8957



75.1236, 81.6583, 112.7946



85.5575, 81.6583, 96.3180



# Rectangle

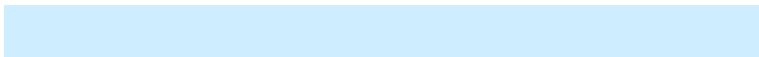
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1584, 81.6583, 68.6636



73.4210, 81.6583, 70.6534



75.1236, 81.6583, 112.7946



81.9632, 81.6583, 110.0728

# Sweetspot

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



80.1604, 81.6619, 68.6653



90.2461, 94.1784, 95.6264



77.1656, 70.1795, 84.6005



19.2082, 20.0260, 20.1723



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

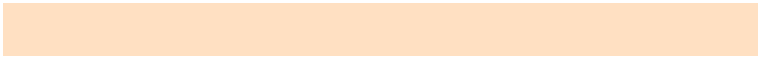


# Same Dimension

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



80.1604, 81.6619, 68.6653



77.5588, 78.3534, 61.9572



87.6287, 96.5986, 71.1548



18.7447, 19.4576, 18.9121



25.5311, 19.0734, 2.3359

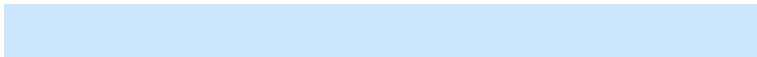


2.5948, 2.0751, 0.2638

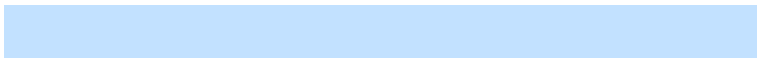


# Inverse Universe

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



71.2479, 76.6487, 105.6473



67.1703, 72.5098, 105.0633



64.7482, 63.6494, 103.4807



17.7685, 18.9085, 22.9632



13.7507, 12.4109, 51.1054

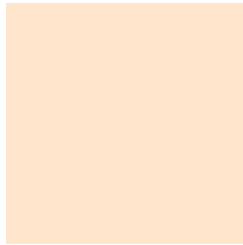


1.4482, 1.4271, 5.0124



# Previews

## White Background



This preview shows how the XYZ color 80.1584, 81.6583, 68.6636 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

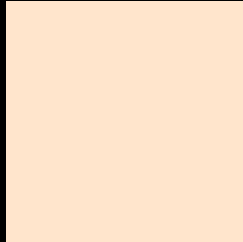
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.1584, 81.6583, 68.6636 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

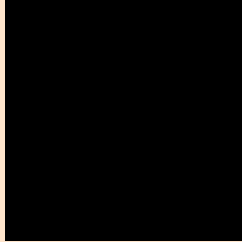
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 80.1584, 81.6583, 68.6636

## Background



This preview shows how black text looks on a background with the XYZ color 80.1584, 81.6583, 68.6636.



This preview shows how white text looks on a background with the XYZ color 80.1584, 81.6583,



# 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

80.1584, 81.6583, 68.6636

### Protanopia

77.5877, 81.9672, 70.1245

### Deuteranopia

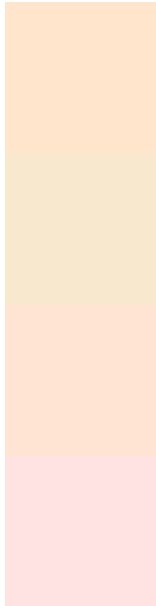
81.3781, 81.7047, 76.4472



## Tritanopia

84.1645, 81.9440, 93.8189

# Trichromacy



## Original Color

80.1584, 81.6583, 68.6636

## Protanomaly

78.5875, 82.0775, 69.4581

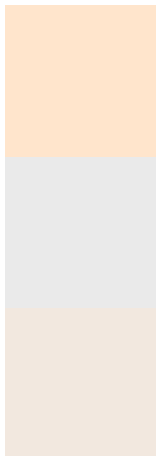
## Deuteranomaly

80.8671, 81.5003, 73.7563

## Tritanomaly

82.5742, 81.7442, 84.0991

# Monochromacy



## Original Color

80.1584, 81.6583, 68.6636

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.7938, 81.9182, 81.4709

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.1584, 81.6583, 68.6636 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, 229, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 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, 229, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 80.1584, 81.6583, 68.6636 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, 229, 204) }
```



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

```
.border{ border-color:rgb(255, 229, 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, 229, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.1584, 81.6583, 68.6636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 204) }
```

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

```
.background{ background-color: rgb(255,  
229, 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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