

# Converting Colors

XYZ(79.7900, 80.9212, 68.5418)

Have a look what the booklet for  
XYZ(79.7900, 80.9212, 68.5418)  
contains.

<b>XYZ(79.8825, 81.1064, 68.5716)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(79.8825, 81.1064,  
68.5716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE4CC
RGB	255, 228, 204
RGB Percent	100%, 89%, 80%
CMY	0.0000, 0.1059, 0.2000
CMYK	0.00, 0.11, 0.20, 0.00
HSL	28°, 100%, 90%
HSV	28°, 20%, 100%
XYZ	79.8825, 81.1064, 68.5716
YIQ	233.3370, 23.7960, -1.7400

# Conversions

## Conversions Part 2

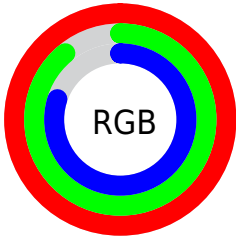
Format	Color
R <sub>Y</sub> B	255, 249, 204
Decimal	16770252
CIE Lab	92.18, 5.57, 15.08
CIE LCh	92, 16.078, 69.748
Yxy	81.1064, 0.3480, 0.3533
Android (android.graphics.Color)	4294960332 (0xFFFFE4CC)
YUV	233.3370, -14.4631, 18.9985
Hunter-Lab	90.0591, 0.7263, 17.8976

# Details

The XYZ color **79.8825, 81.1064, 68.5716** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.5270, 77.2070, 105.7403**, and the grayscale version is **77.8006, 81.8523, 89.1372**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7373, 44.0949, 35.0601** is the 20% darker color. If you saturate the color by 10%, you get **73.5019, 72.8456, 52.5708**, and if you desaturate by 10%, it is **87.0576, 90.1543, 87.3097**.

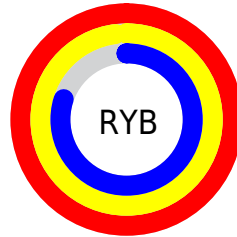
# Distribution



Red (100%)

Green (89%)

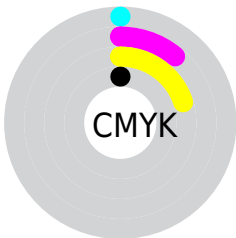
Blue (80%)



Red (100%)

Yellow (98%)

Blue (80%)

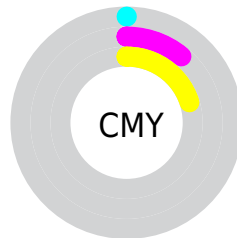


Cyan (0%)

Magenta (11%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8825, 81.1064, 68.5716 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 79.8825, 81.1064, 68.5716 by changing the saturation by 10% instead.




 79.8825, 81.1064,  
68.5716

 79.8825, 81.1064,  
68.5716


483.2793,  
498.6537, 474.1715

 59.9298, 60.6292,  
49.8933


132.1519,  
134.9202, 118.8314

 43.6113, 43.9260,  
34.9580


165.1993,  
169.0255, 151.2500

 30.5616, 30.6123,  
23.3473


203.3424,  
208.4424, 189.0858

 20.4155, 20.3038,  
14.6424

246.9464,  
253.5553, 232.7573

 12.8074, 12.6161,  
8.4250

296.3767,  
304.7484, 282.6831

 7.3722, 7.1647,  
4.2764

351.9988,

 3.7443, 3.5653,

362.4063, 339.2817

1.7782

414.1779,  
426.9132, 402.9717

■ 1.5585, 1.4335,  
0.4135

■ 0.3651, 0.2412,  
0.0000

■ 79.8825, 81.1064,  
68.5716

■ 79.8825, 81.1064,  
68.5716

■ 73.5019, 72.8456,  
52.5708

■ 87.0576, 90.1543,  
87.3097

■ 67.8792, 65.3385,  
39.1718

95.0500, 100.0000,  
108.9000

■ 62.9831, 58.5645,  
28.2351

■ 58.7776, 52.4978,  
19.6060

■ 55.2230, 47.1108,  
13.1120

■ 52.2747, 42.3732,  
8.5559

■ 49.8804, 38.2514,  
5.7026

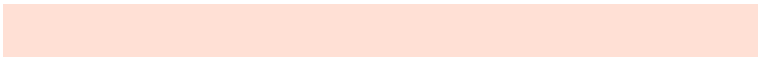
■ 47.9597, 34.6994,  
4.1700

■ 47.9596, 34.6992,  
4.1699

# Harmonies

## Analogous

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



83.3842, 81.1064, 74.4987



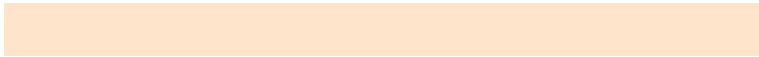
79.8825, 81.1064, 68.5716



75.7469, 81.1064, 67.6615

# Triad

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



79.8825, 81.1064, 68.5716



69.4943, 81.1064, 92.2345



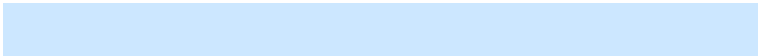
82.3012, 81.1064, 107.0593

# Complementary

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



79.8825, 81.1064, 68.5716



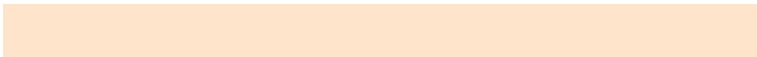
71.5270, 77.2070, 105.7403

# 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.



78.4473, 81.1064, 112.7849



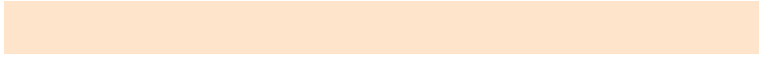
79.8825, 81.1064, 68.5716



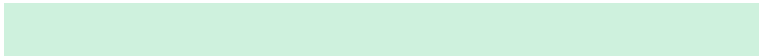
71.1193, 81.1064, 103.7332

# Square

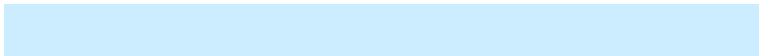
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8825, 81.1064, 68.5716



69.8474, 81.1064, 80.6395



74.3618, 81.1064, 111.5160



84.8150, 81.1064, 96.4544



# Rectangle

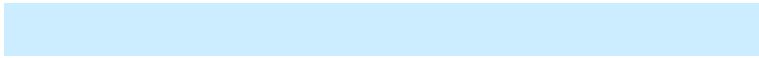
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8825, 81.1064, 68.5716



73.1998, 81.1064, 69.9303



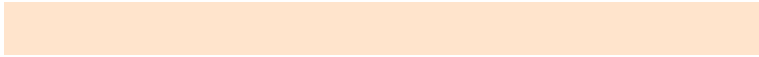
74.3618, 81.1064, 111.5160



81.1139, 81.1064, 109.6597

# Sweetspot

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



79.8844, 81.1099, 68.5733



90.1543, 93.9948, 95.5958



77.2855, 70.2275, 85.2320



19.1865, 19.9826, 20.1650



0.0000, 0.0000, 0.0000

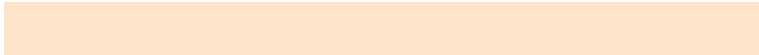


20.3446, 21.4041, 23.3091

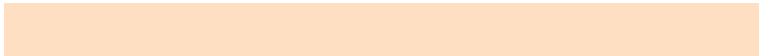


# Same Dimension

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



79.8844, 81.1099, 68.5733



77.2377, 77.7112, 61.8501



87.3594, 96.0599, 71.0650



18.7144, 19.3969, 18.9020



25.2066, 18.4244, 2.2277

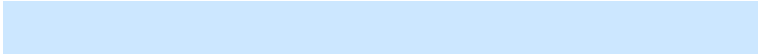


2.5626, 2.0105, 0.2530

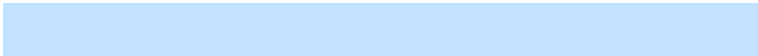


# Inverse Universe

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



71.5270, 77.2070, 105.7403



67.4959, 73.1610, 105.1718



64.9519, 64.0568, 103.5486



17.7990, 18.9696, 22.9733



14.1076, 13.1248, 51.2244

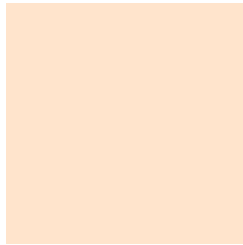


1.4830, 1.4968, 5.0240



# Previews

## White Background



This preview shows how the XYZ color 79.8825, 81.1064, 68.5716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

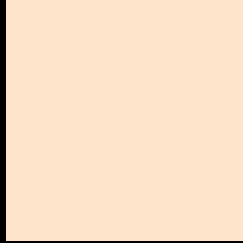
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8825, 81.1064, 68.5716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

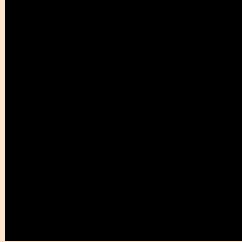
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.8825, 81.1064, 68.5716**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.8825, 81.1064, 68.5716.



This preview shows how white text looks on a background with the XYZ color 79.8825, 81.1064,



# 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

79.8825, 81.1064, 68.5716

### Protanopia

76.9593, 81.2241, 70.0142

### Deuteranopia

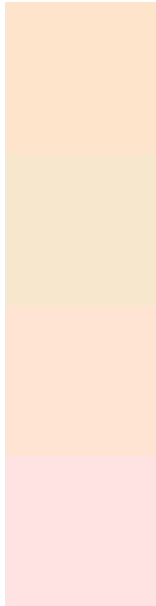
80.9748, 81.1045, 75.6769



## Tritanopia

83.7452, 81.3424, 92.9482

# Trichromacy



## Original Color

79.8825, 81.1064, 68.5716

## Protanomaly

77.9531, 81.3338, 69.3480

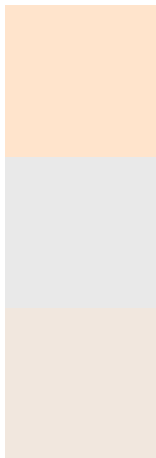
## Deuteranomaly

80.4670, 80.9013, 73.0025

## Tritanomaly

82.1638, 81.1437, 83.2833

# Monochromacy



## Original Color

79.8825, 81.1064, 68.5716

## 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 79.8825, 81.1064, 68.5716 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, 228, 204) looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 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, 228, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8825, 81.1064, 68.5716 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, 228, 204) }
```



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

```
.border{ border-color:rgb(255, 228, 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, 228, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8825, 81.1064, 68.5716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 204) }
```

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

```
.background{ background-color: rgb(255,  
228, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor