

# Converting Colors

XYZ(82.9163, 82.7205, 65.0398)

Have a look what the booklet for  
XYZ(82.9163, 82.7205, 65.0398)  
contains.

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# Color

**XYZ(79.1764, 80.8240,  
64.8536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE4C6
RGB	255, 228, 198
RGB Percent	100%, 89%, 78%
CMY	0.0000, 0.1059, 0.2235
CMYK	0.00, 0.11, 0.22, 0.00
HSL	32°, 100%, 89%
HSV	32°, 22%, 100%
XYZ	79.1764, 80.8240, 64.8536
YIQ	232.6530, 25.7220, -3.6060

# Conversions

## Conversions Part 2

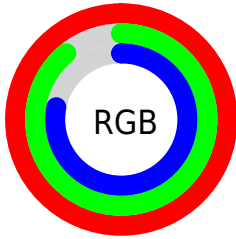
Format	Color
R <sub>Y</sub> B	249, 255, 198
Decimal	16770246
CIE Lab	92.05, 4.71, 18.02
CIE LCh	92, 18.629, 75.346
Yxy	80.8240, 0.3521, 0.3595
Android (android.graphics.Color)	4294960326 (0xFFFFE4C6)
YUV	232.6530, -17.0839, 19.5983
Hunter-Lab	89.9022, -0.1247, 20.1609

# Details

The XYZ color **79.1764, 80.8240, 64.8536** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.2632, 73.0740, 105.1146**, and the grayscale version is **77.3037, 81.3295, 88.5678**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2663, 43.9065, 32.5800** is the 20% darker color. If you saturate the color by 10%, you get **73.2726, 73.3336, 49.5758**, and if you desaturate by 10%, it is **85.8115, 88.9838, 82.8201**.

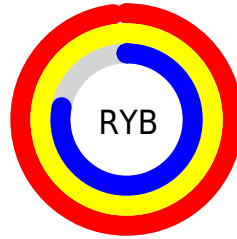
# Distribution



Red (100%)

Green (89%)

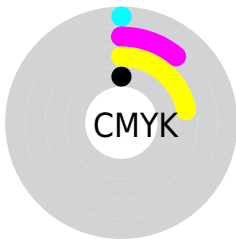
Blue (78%)



Red (98%)

Yellow (100%)

Blue (78%)

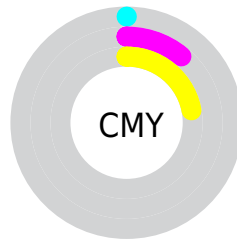


Cyan (0%)

Magenta (11%)

Yellow (22%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.1764, 80.8240, 64.8536 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 79.1764, 80.8240, 64.8536 by changing the saturation by 10% instead.




 79.1764, 80.8240,  
64.8536

 79.1764, 80.8240,  
64.8536


480.9318,  
497.7054, 460.5575

 59.3470, 60.3967,  
46.8918


131.1638,  
134.5236, 113.4506

 43.1399, 43.7384,  
32.5964


164.0525,  
168.5647, 144.9229

 30.1899, 30.4649,  
21.5488


202.0250,  
207.9124, 181.7357

 20.1316, 20.1917,  
13.3306

245.4466,  
252.9513, 224.3077

 12.5996, 12.5345,  
7.5232

294.6827,  
304.0656, 273.0573

 7.2285, 7.1088,  
3.7081

350.0988,

 3.6530, 3.5302,

361.6398, 328.4031

1.4666

412.0600,  
426.0583, 390.7637

■ 1.5078, 1.4144,  
0.1929

■ 0.3311, 0.2273,  
0.0000

■ 79.1764, 80.8240,  
64.8536

■ 79.1764, 80.8240,  
64.8536

■ 73.2726, 73.3336,  
49.5758

■ 85.8115, 88.9838,  
82.8201

■ 68.0646, 66.4827,  
36.8495

■ 93.1996, 97.8206,  
103.5931

■ 63.5227, 60.2541,  
26.5331

■ 95.0500, 100.0000,  
108.9000

■ 59.6122, 54.6262,  
18.4688

■ 56.2947, 49.5751,  
12.4796

■ 53.5263, 45.0747,  
8.3620

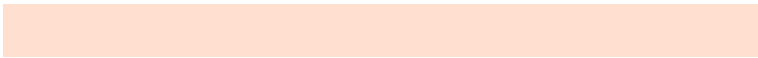
■ 51.2552, 41.0953,  
5.8695

■ 49.7976, 38.3752,  
4.7825

# Harmonies

## Analogous

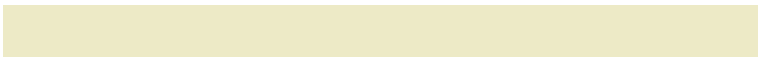
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4833, 80.8240, 70.5277



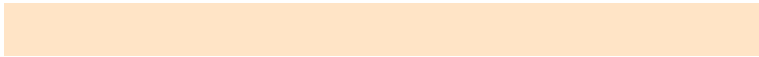
79.1764, 80.8240, 64.8536



74.4069, 80.8240, 64.9210

# Triad

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



79.1764, 80.8240, 64.8536



68.2698, 80.8240, 95.1770



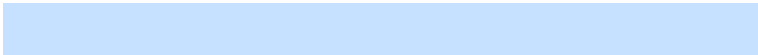
83.5666, 80.8240, 107.8925

# Complementary

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



79.1764, 80.8240, 64.8536



68.2632, 73.0740, 105.1146

# Split Complementary

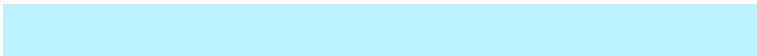
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.2863, 80.8240, 115.9961



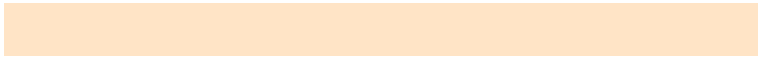
79.1764, 80.8240, 64.8536



70.5226, 80.8240, 108.1513

# Square

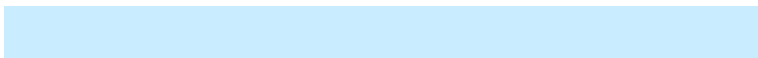
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.1764, 80.8240, 64.8536



68.2432, 80.8240, 81.4926



74.5124, 80.8240, 116.0955



86.0886, 80.8240, 94.8525



# Rectangle

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



79.1764, 80.8240, 64.8536



71.6104, 80.8240, 68.1786



74.5124, 80.8240, 116.0955



82.2780, 80.8240, 111.3413

# Sweetspot

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



79.1784, 80.8276, 64.8553



89.6702, 93.6277, 93.5815



75.1004, 67.1153, 80.6252



19.0976, 19.9260, 19.7618



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.



79.1784, 80.8276, 64.8553



76.3448, 77.2634, 57.4275



86.8446, 96.6776, 67.5106



18.8008, 19.5698, 18.9308



26.1711, 20.3534, 2.5492

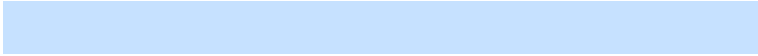


2.6576, 2.2006, 0.2847

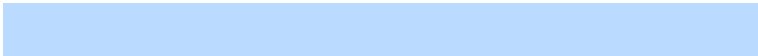


# Inverse Universe

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



68.2632, 73.0740, 105.1146



63.6042, 68.2140, 104.4221



61.7849, 59.7445, 102.8832



17.7125, 18.7966, 22.9445



13.1363, 11.1821, 50.9006

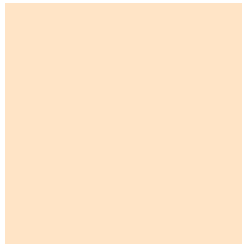


1.3874, 1.3056, 4.9921



# Previews

## White Background



This preview shows how the XYZ color 79.1764, 80.8240, 64.8536 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 79.1764, 80.8240, 64.8536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

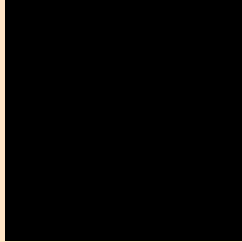
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.1764, 80.8240, 64.8536**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.1764, 80.8240, 64.8536.



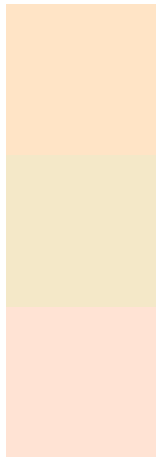
This preview shows how white text looks on a background with the XYZ color 79.1764, 80.8240,

64.8536.

# 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

79.1764, 80.8240, 64.8536

### Protanopia

76.5902, 81.1165, 66.2639

### Deuteranopia

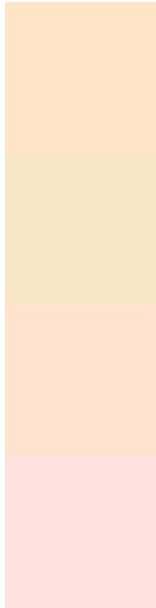
80.5928, 80.9516, 73.6649



## Tritanopia

83.3283, 80.7444, 92.0823

# Trichromacy



## Original Color

79.1764, 80.8240, 64.8536

## Protanomaly

77.5961, 81.2318, 65.6224

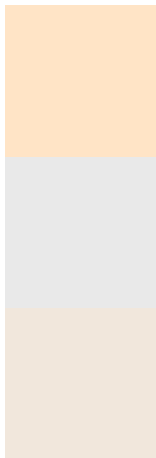
## Deuteranomaly

79.9716, 80.7032, 70.3938

## Tritanomaly

81.4845, 80.4381, 81.0435

# Monochromacy



## Original Color

79.1764, 80.8240, 64.8536

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

77.7698, 81.0199, 79.2496

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.1764, 80.8240, 64.8536 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 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, 228, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 79.1764, 80.8240, 64.8536 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, 198) }
```



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

```
.border{ border-color:rgb(255, 228, 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, 228, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.1764, 80.8240, 64.8536 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, 198) }
```

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

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