

# Converting Colors

XYZ(81.3364, 82.6602, 66.7586)

Have a look what the booklet for  
XYZ(81.3364, 82.6602, 66.7586)  
contains.

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# Color

**XYZ(80.0794, 82.0707,  
66.8789)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6C9
RGB	255, 230, 201
RGB Percent	100%, 90%, 79%
CMY	0.0000, 0.0980, 0.2118
CMYK	0.00, 0.10, 0.21, 0.00
HSL	32°, 100%, 89%
HSV	32°, 21%, 100%
XYZ	80.0794, 82.0707, 66.8789
YIQ	234.1690, 24.2090, -3.7190

# Conversions

## Conversions Part 2

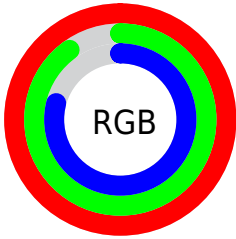
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	248, 255, 201
Decimal	16770761
CIE Lab	92.61, 4.11, 17.24
CIE LCh	93, 17.726, 76.587
Yxy	82.0707, 0.3496, 0.3583
Android (android.graphics.Color)	4294960841 (0xFFFFE6C9)
YUV	234.1690, -16.3523, 18.2688
Hunter-Lab	90.5929, -0.7528, 19.6450

# Details

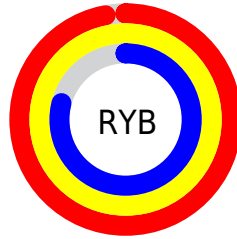
The XYZ color **80.0794, 82.0707, 66.8789** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.3330, 74.0280, 105.2423**, and the grayscale version is **78.4436, 82.5288, 89.8738**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8851, 44.7723, 33.9327** is the 20% darker color. If you saturate the color by 10%, you get **74.1515, 74.6233, 51.3118**, and if you desaturate by 10%, it is **86.7318, 90.1694, 85.1462**.

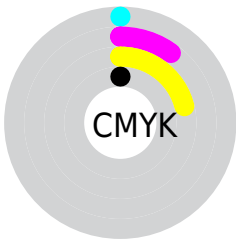
# Distribution



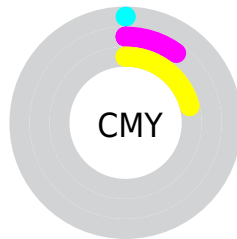
- Red (100%)
- Green (90%)
- Blue (79%)



- Red (97%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (10%)
- Yellow (21%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0794, 82.0707, 66.8789 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 80.0794, 82.0707, 66.8789 by changing the saturation by 10% instead.




 80.0794, 82.0707,  
66.8789

 80.0794, 82.0707,  
66.8789


483.9328,  
501.8842, 468.0033

 60.0924, 61.4238,  
48.5252


132.4273,  
136.2731, 116.3859

 43.7428, 44.5673,  
33.8801


165.5189,  
170.5975, 148.3763

 30.6654, 31.1167,  
22.5249

203.7094,  
210.2498, 185.7493

 20.4948, 20.6878,  
14.0411

247.3641,  
255.6144, 228.9236

 12.8656, 12.8960,  
8.0102

296.8485,  
307.0758, 278.3175

 7.4124, 7.3569,  
4.0136

352.5278,

 3.7699, 3.6863,

365.0182, 334.3498

1.6328

414.7675,  
429.8262, 397.4389

■ 1.5728, 1.4997,  
0.3141

■ 0.3746, 0.2885,  
0.0000

■ 80.0794, 82.0707,  
66.8789

■ 80.0794, 82.0707,  
66.8789

■ 74.1515, 74.6233,  
51.3118

■ 86.7318, 90.1694,  
85.1462

■ 68.9130, 67.7978,  
38.3091

■ 94.1298, 98.9261,  
106.2304

■ 64.3350, 61.5781,  
27.7305

■ 95.0500, 100.0000,  
108.9000

■ 60.3834, 55.9432,  
19.4204

■ 57.0207, 50.8704,  
13.2046

■ 54.2042, 46.3347,  
8.8831

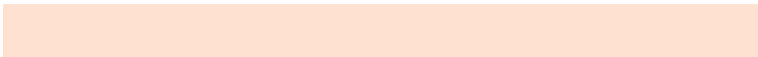
■ 51.8835, 42.3075,  
6.2163

■ 50.1815, 39.1430,  
4.9105

# Harmonies

## Analogous

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



84.2555, 82.0707, 72.1649



80.0794, 82.0707, 66.8789



75.5034, 82.0707, 67.1792

# Triad

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



80.0794, 82.0707, 66.8789



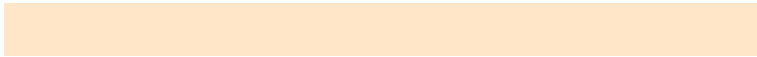
69.8178, 82.0707, 96.8030



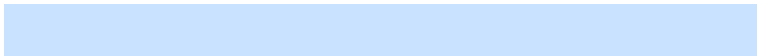
84.6213, 82.0707, 107.9613

# Complementary

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



80.0794, 82.0707, 66.8789



69.3330, 74.0280, 105.2423

# 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.



80.5627, 82.0707, 115.9560



80.0794, 82.0707, 66.8789



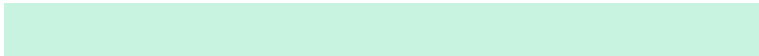
72.0730, 82.0707, 109.0925

# Square

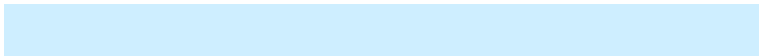
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.0794, 82.0707, 66.8789



69.6999, 82.0707, 83.6024



75.9682, 82.0707, 116.3893



86.9466, 82.0707, 95.3782



# Rectangle

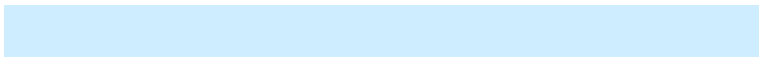
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0794, 82.0707, 66.8789



72.8425, 82.0707, 70.4935



75.9682, 82.0707, 116.3893



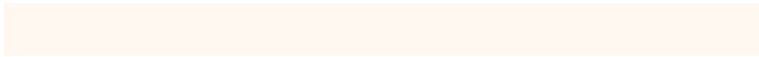
83.4074, 82.0707, 111.3263

# Sweetspot

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



80.0814, 82.0743, 66.8806



90.4659, 94.6180, 95.6996



75.8821, 68.5361, 81.3255



19.2602, 20.1299, 20.1896



0.0000, 0.0000, 0.0000

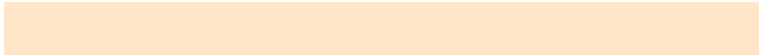


20.3446, 21.4041, 23.3091



# Same Dimension

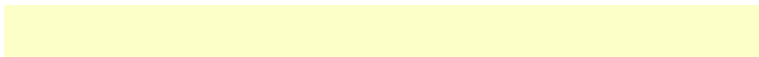
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0814, 82.0743, 66.8806



77.7301, 79.1498, 60.6152



86.8837, 96.6573, 69.3369



18.8175, 19.6032, 18.9363



26.3720, 20.7553, 2.6162

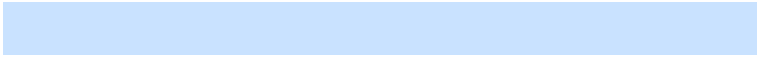


2.6771, 2.2396, 0.2912

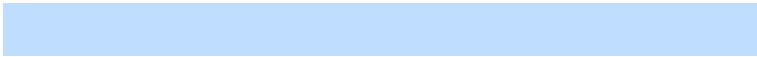


# Inverse Universe

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



69.3330, 74.0280, 105.2423



65.3912, 69.9137, 104.6559



63.5117, 61.6628, 103.1624



17.6959, 18.7635, 22.9390



12.9642, 10.8381, 50.8432



1.3702, 1.2711, 4.9864



# Previews

## White Background



This preview shows how the XYZ color 80.0794, 82.0707, 66.8789 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 80.0794, 82.0707, 66.8789 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

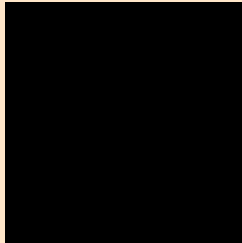
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.0794, 82.0707, 66.8789**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.0794, 82.0707, 66.8789.



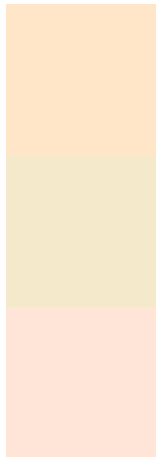
This preview shows how white text looks on a background with the XYZ color 80.0794, 82.0707,



# 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

80.0794, 82.0707, 66.8789

### Protanopia

77.5746, 82.0021, 68.2393

### Deuteranopia

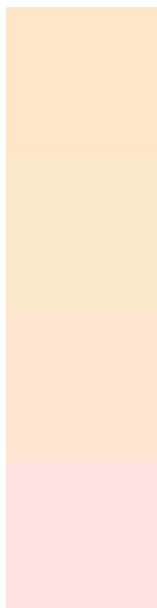
81.5251, 82.2049, 75.8603



## Tritanopia

84.1645, 81.9440, 93.8189

# Trichromacy



## Original Color

80.0794, 82.0707, 66.8789

## Protanomaly

78.5842, 82.1172, 67.5855

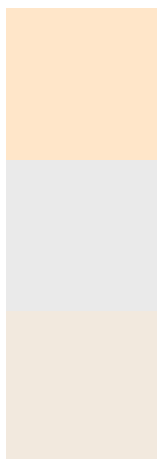
## Deuteranomaly

80.8922, 81.9518, 72.5276

## Tritanomaly

82.4366, 81.6892, 83.3742

# Monochromacy



## Original Color

80.0794, 82.0707, 66.8789

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

78.9417, 82.4290, 80.8570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0794, 82.0707, 66.8789 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, 230, 201) looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 201)  
}
```

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, 230, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0794, 82.0707, 66.8789 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, 230, 201) }
```



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

```
.border{ border-color:rgb(255, 230, 201) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 230, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0794, 82.0707, 66.8789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 201) }
```

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

```
.background{ background-color: rgb(255,  
230, 201) }
```

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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