

# Converting Colors

XYZ(122.5323, 103.9526,  
72.1417)

Have a look what the booklet for  
XYZ(122.5323, 103.9526, 72.1417)  
contains.

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# Color

**XYZ(80.6774, 82.3099,  
70.0278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE6CE
RGB	255, 230, 206
RGB Percent	100%, 90%, 81%
CMY	0.0000, 0.0980, 0.1921
CMYK	0.00, 0.10, 0.19, 0.00
HSL	29°, 100%, 90%
HSV	29°, 19%, 100%
XYZ	80.6774, 82.3099, 70.0278
YIQ	234.7390, 22.6040, -2.1640

# Conversions

## Conversions Part 2

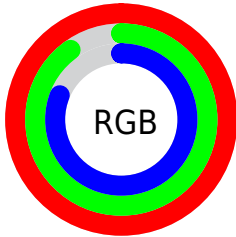
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 253, 206
Decimal	16770766
CIE Lab	92.71, 4.83, 14.80
CIE LCh	93, 15.565, 71.921
Yxy	82.3099, 0.3462, 0.3532
Android (android.graphics.Color)	4294960846 (0xFFFFE6CE)
YUV	234.7390, -14.1683, 17.7689
Hunter-Lab	90.7248, -0.0366, 17.7432

# Details

The XYZ color **80.6774, 82.3099, 70.0278** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **72.0788, 77.4914, 105.7661**, and the grayscale version is **78.8612, 82.9681, 90.3523**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2862, 44.9327, 36.0445** is the 20% darker color. If you saturate the color by 10%, you get **74.3420, 74.2009, 53.8525**, and if you desaturate by 10%, it is **87.7895, 91.1673, 88.9435**.

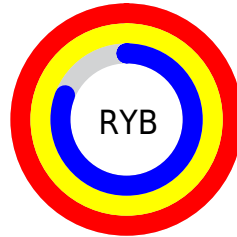
# Distribution



Red (100%)

Green (90%)

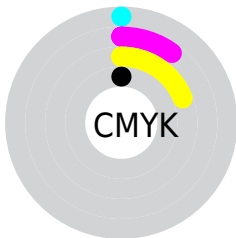
Blue (81%)



Red (100%)

Yellow (99%)

Blue (81%)

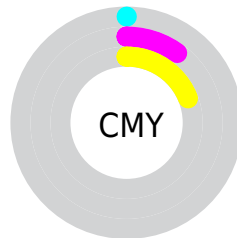


Cyan (0%)

Magenta (10%)

Yellow (19%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6774, 82.3099, 70.0278 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 80.6774, 82.3099, 70.0278 by changing the saturation by 10% instead.




 80.6774, 82.3099,  
70.0278

 80.6774, 82.3099,  
70.0278


485.9146,  
502.6837, 479.4394

 60.5863, 61.6210,  
51.0723


133.2632,  
136.6085, 120.9299

 44.1427, 44.7265,  
35.8890


166.4887,  
170.9870, 153.7135

 30.9811, 31.2421,  
24.0595


204.8230,  
210.6975, 191.9436

 20.7362, 20.7833,  
15.1651

248.6315,  
256.1244, 236.0386

 13.0427, 12.9657,  
8.7874

298.2796,  
307.6521, 286.4172

 7.5351, 7.4049,  
4.5079

354.1325,

 3.8482, 3.7166,

365.6649, 343.4978

1.9079

416.5558,  
430.5473, 407.6990

■ 1.6166, 1.5163,  
0.4978

■ 0.4032, 0.3002,  
0.0000

■ 80.6774, 82.3099,  
70.0278

■ 80.6774, 82.3099,  
70.0278

■ 74.3420, 74.2009,  
53.8525

■ 87.7895, 91.1673,  
88.9435

■ 68.7474, 66.8083,  
40.2831

95.0500, 100.0000,  
108.9000

■ 63.8632, 60.1131,  
29.1812

■ 59.6546, 54.0911,  
20.3937

■ 56.0828, 48.7165,  
13.7498

■ 53.1047, 43.9612,  
9.0548

■ 50.6697, 39.7936,  
6.0780

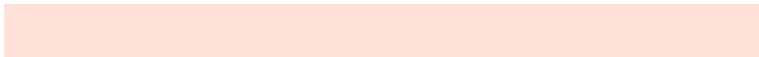
■ 48.7051, 36.1726,  
4.4725

■ 48.5643, 35.9085,  
4.3714

# Harmonies

## Analogous

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



84.1784, 82.3099, 75.5166



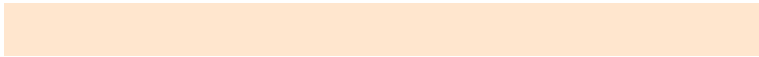
80.6774, 82.3099, 70.0278



76.6337, 82.3099, 69.5026

# Triad

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



80.6774, 82.3099, 70.0278



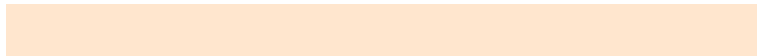
70.8504, 82.3099, 94.3133



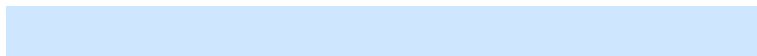
83.5582, 82.3099, 107.2821

# Complementary

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



80.6774, 82.3099, 70.0278



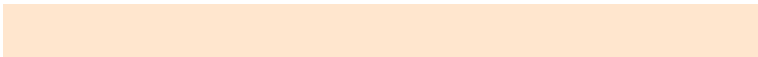
72.0788, 77.4914, 105.7661

# Split Complementary

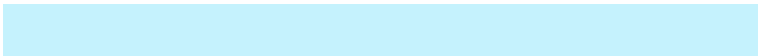
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.8546, 82.3099, 113.2905



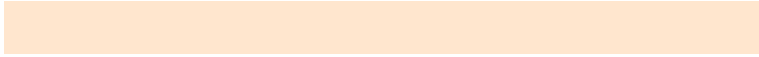
80.6774, 82.3099, 70.0278



72.5745, 82.3099, 105.3817

# Square

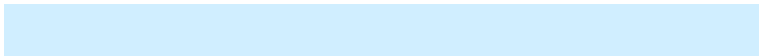
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6774, 82.3099, 70.0278



71.0534, 82.3099, 82.8699



75.8387, 82.3099, 112.5664



85.8808, 82.3099, 96.7302



# Rectangle

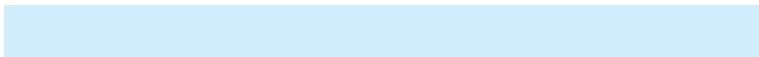
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6774, 82.3099, 70.0278



74.1828, 82.3099, 71.9749



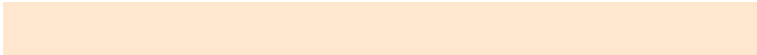
75.8387, 82.3099, 112.5664



82.4282, 82.3099, 109.9396

# Sweetspot

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



80.6794, 82.3135, 70.0295



90.2442, 94.1747, 95.6258



77.7805, 71.1910, 85.4784



19.2078, 20.0251, 20.1721



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.



80.6794, 82.3135, 70.0295



78.1914, 79.1568, 63.5913



87.8808, 96.7164, 72.4300



18.7441, 19.4564, 18.9119



25.5244, 19.0600, 2.3337

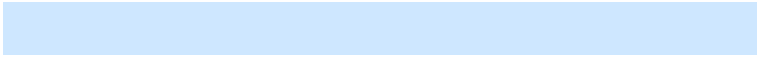


2.5942, 2.0737, 0.2635

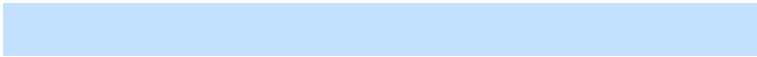


# Inverse Universe

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



72.0788, 77.4914, 105.7661



68.1751, 73.5408, 105.2093



65.7730, 64.8798, 103.6642



17.7691, 18.9098, 22.9634



13.7577, 12.4250, 51.1077

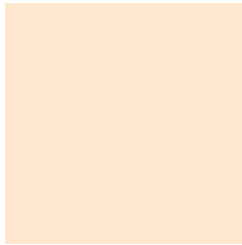


1.4489, 1.4285, 5.0126



# Previews

## White Background



This preview shows how the XYZ color 80.6774, 82.3099, 70.0278 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 80.6774, 82.3099, 70.0278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

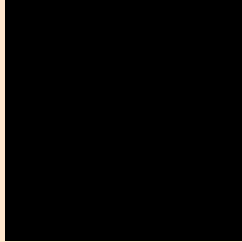
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.6774, 82.3099, 70.0278**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.6774, 82.3099, 70.0278.



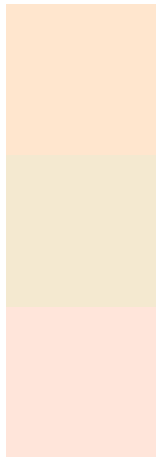
This preview shows how white text looks on a background with the XYZ color 80.6774, 82.3099,

70.0278.

# 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

80.6774, 82.3099, 70.0278

### Protanopia

77.8323, 82.0650, 71.4124

### Deuteranopia

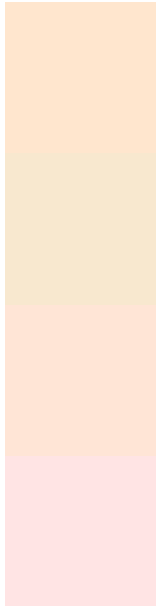
81.9142, 82.3606, 77.9095



## Tritanopia

84.5863, 82.5490, 94.6945

# Trichromacy



## Original Color

80.6774, 82.3099, 70.0278

## Protanomaly

78.8305, 82.1747, 70.7380

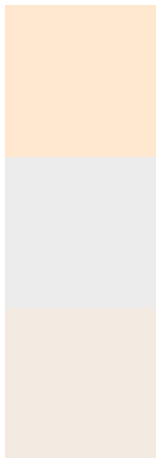
## Deuteranomaly

81.3969, 82.1537, 75.1855

## Tritanomaly

82.9870, 82.3482, 84.9197

# Monochromacy



## Original Color

80.6774, 82.3099, 70.0278

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.2114, 82.5369, 82.2773

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.6774, 82.3099, 70.0278 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 80.6774, 82.3099, 70.0278 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, 206) }
```



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

```
.border{ border-color:rgb(255, 230, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.6774, 82.3099, 70.0278 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
230, 206) }
```

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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