

# Converting Colors

XYZ(77.3881, 79.6063, 56.9853)

Have a look what the booklet for  
XYZ(77.3881, 79.6063, 56.9853)  
contains.

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# **Color**

**XYZ(77.4660, 79.7010,  
57.1999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE3B9
RGB	255, 227, 185
RGB Percent	100%, 89%, 73%
CMY	0.0000, 0.1098, 0.2745
CMYK	0.00, 0.11, 0.27, 0.00
HSL	36°, 100%, 86%
HSV	36°, 27%, 100%
XYZ	77.4660, 79.7010, 57.1999
YIQ	230.5840, 30.1700, -7.1260

# Conversions

## Conversions Part 2

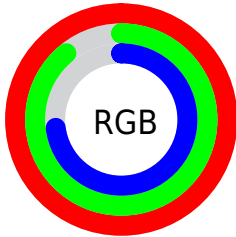
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 255, 185
Decimal	16769977
CIE Lab	91.55, 3.47, 24.05
CIE LCh	92, 24.304, 81.797
Yxy	79.7010, 0.3614, 0.3718
Android (android.graphics.Color)	4294960057 (0xFFFFE3B9)
YUV	230.5840, -22.4729, 21.4128
Hunter-Lab	89.2754, -1.3441, 24.5049

# Details

The XYZ color **77.4660, 79.7010, 57.1999** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.8512, 65.1207, 103.9174**, and the grayscale version is **75.7942, 79.7414, 86.8384**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **42.2061, 43.1768, 27.9392** is the 20% darker color. If you saturate the color by 10%, you get **72.3052, 73.3078, 43.3687**, and if you desaturate by 10%, it is **83.2789, 86.6250, 73.6322**.

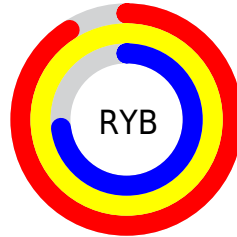
# Distribution



Red (100%)

Green (89%)

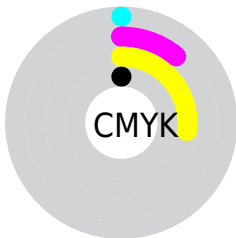
Blue (73%)



Red (91%)

Yellow (100%)

Blue (73%)

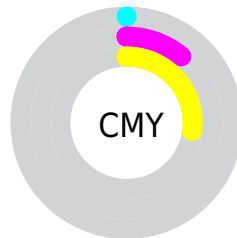


Cyan (0%)

Magenta (11%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.4660, 79.7010, 57.1999 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 77.4660, 79.7010, 57.1999 by changing the saturation by 10% instead.




 77.4660, 79.7010,  
57.1999

 77.4660, 79.7010,  
57.1999


475.2190,  
493.9246, 431.7126

 57.9367, 59.4723,  
40.7553


 128.7664,  
132.9453, 102.2600

 42.0008, 42.9935,  
27.8097


161.2683,  
166.7297, 131.7127

 29.2930, 29.8800,  
17.9445


198.8249,  
205.8014, 166.3384

 19.4480, 19.7475,  
10.7411

241.8019,  
250.5450, 206.5558

 12.1004, 12.2116,  
5.7810

290.5644,  
301.3447, 252.7834

 6.8848, 6.8880,  
2.6458

345.4778,

 3.4358, 3.3921,

358.5849, 305.4397

0.9159

406.9076,  
422.6501, 364.9433

■ 1.3882, 1.3397,  
0.0000

■ 0.2478, 0.1717,  
0.0000

■ 77.4660, 79.7010,  
57.1999

■ 77.4660, 79.7010,  
57.1999

■ 72.3052, 73.3078,  
43.3687

■ 83.2789, 86.6250,  
73.6322

■ 67.7618, 67.4185,  
31.9966

■ 89.7646, 94.0841,  
92.7873

■ 63.8068, 62.0198,  
22.9359

95.0500, 100.0000,  
108.9000

■ 60.4056, 57.0930,  
16.0203

■ 57.5198, 52.6178,  
11.0615

■ 55.1041, 48.5710,  
7.8375

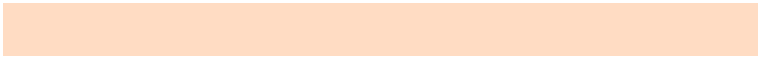
■ 53.1006, 44.9243,  
6.0593

■ 52.6347, 44.0493,  
5.7282

# Harmonies

## Analogous

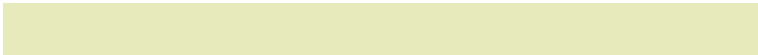
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3632, 79.7010, 62.6339



77.4660, 79.7010, 57.1999



71.4149, 79.7010, 58.7979

# Triad

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



77.4660, 79.7010, 57.1999



65.2207, 79.7010, 100.0778



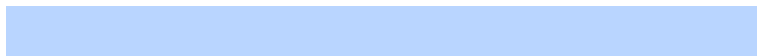
85.5070, 79.7010, 109.6398

# Complementary

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



77.4660, 79.7010, 57.1999



61.8512, 65.1207, 103.9174

# 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.



80.2642, 79.7010, 122.4748



77.4660, 79.7010, 57.1999



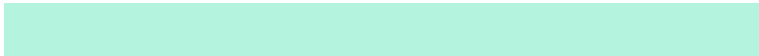
68.6214, 79.7010, 116.4511

# Square

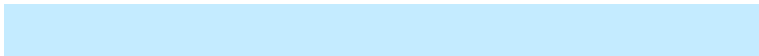
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4660, 79.7010, 57.1999



64.5623, 79.7010, 82.0031



74.0662, 79.7010, 125.1240



88.1683, 79.7010, 91.7407

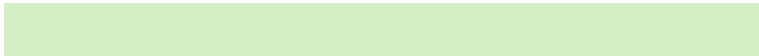


# Rectangle

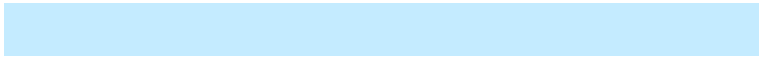
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4660, 79.7010, 57.1999



68.0868, 79.7010, 63.7475



74.0662, 79.7010, 125.1240



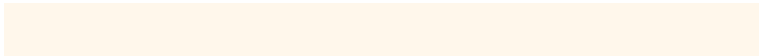
83.9750, 79.7010, 114.7852

# Sweetspot

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



77.4680, 79.7046, 57.2016



89.3900, 93.6598, 91.6614



70.5998, 60.7629, 70.9590



18.9161, 19.8003, 18.9692



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.



77.4680, 79.7046, 57.2016



74.5245, 76.0909, 49.2123



83.2286, 94.9794, 59.8463



18.9161, 19.8003, 18.9692



27.6528, 23.3169, 3.0432



2.7994, 2.4842, 0.3320



# Inverse Universe

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



61.8512, 65.1207, 103.9174



56.5246, 59.2864, 103.0720



57.1381, 53.1254, 101.8505



17.5992, 18.5699, 22.9067



12.0494, 9.0085, 50.5383



1.2766, 1.0839, 4.9552



# Previews

## White Background



This preview shows how the XYZ color 77.4660, 79.7010, 57.1999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

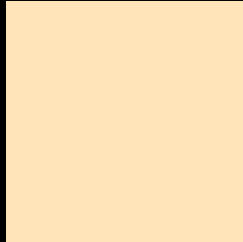
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.4660, 79.7010, 57.1999 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

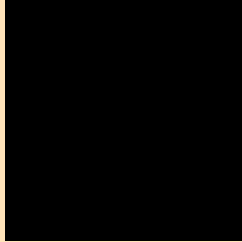
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.4660, 79.7010, 57.1999**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.4660, 79.7010, 57.1999.



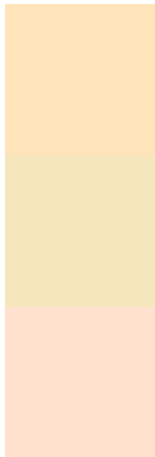
This preview shows how white text looks on a background with the XYZ color 77.4660, 79.7010,



# 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

77.4660, 79.7010, 57.1999

### Protanopia

74.9226, 79.5940, 58.4280

### Deuteranopia

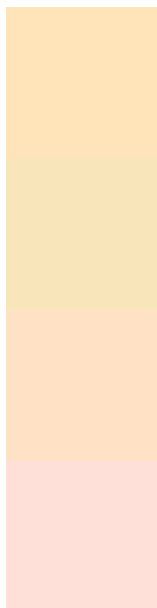
79.1847, 79.5182, 68.9327



## Tritanopia

82.5016, 79.5587, 90.3649

# Trichromacy



## Original Color

77.4660, 79.7010, 57.1999

## Protanomaly

75.9492, 79.7235, 57.8396

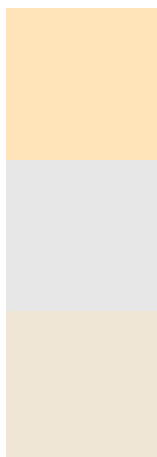
## Deuteranomaly

78.6294, 79.7299, 64.6713

## Tritanomaly

80.4200, 79.5811, 76.7677

# Monochromacy



## Original Color

77.4660, 79.7010, 57.1999

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.3696, 79.9739, 75.0297

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.4660, 79.7010, 57.1999 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, 227, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 185)  
}
```

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, 227, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 77.4660, 79.7010, 57.1999 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, 227, 185) }
```



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

```
.border{ border-color:rgb(255, 227, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.4660, 79.7010, 57.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 185) }
```

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

```
.background{ background-color: rgb(255,  
227, 185) }
```

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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