

# Converting Colors

XYZ(82.1108, 81.7960, 55.1762)

Have a look what the booklet for  
XYZ(82.1108, 81.7960, 55.1762)  
contains.

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# **Color**

**XYZ(76.7768, 78.9889,  
54.9159)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE2B5
RGB	255, 226, 181
RGB Percent	100%, 89%, 71%
CMY	0.0000, 0.1137, 0.2902
CMYK	0.00, 0.11, 0.29, 0.00
HSL	36°, 100%, 85%
HSV	36°, 29%, 100%
XYZ	76.7768, 78.9889, 54.9159
YIQ	229.5410, 31.7290, -7.8470

# Conversions

## Conversions Part 2

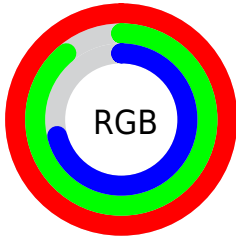
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 255, 181
Decimal	16769717
CIE Lab	91.23, 3.46, 25.68
CIE LCh	91, 25.911, 82.319
Yxy	78.9889, 0.3644, 0.3749
Android (android.graphics.Color)	4294959797 (0xFFFFE2B5)
YUV	229.5410, -23.9307, 22.3275
Hunter-Lab	88.8757, -1.3322, 25.5780

# Details

The XYZ color **76.7768, 78.9889, 54.9159** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **60.1520, 63.1350, 103.6237**, and the grayscale version is **75.0310, 78.9385, 85.9640**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **41.4851, 42.5546, 26.4494** is the 20% darker color. If you saturate the color by 10%, you get **71.7584, 72.7630, 41.4944**, and if you desaturate by 10%, it is **82.4365, 85.7303, 70.9155**.

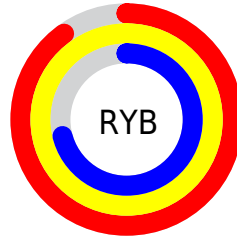
# Distribution



Red (100%)

Green (89%)

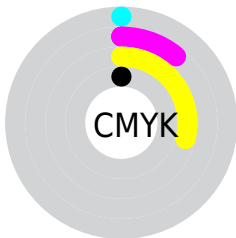
Blue (71%)



Red (90%)

Yellow (100%)

Blue (71%)

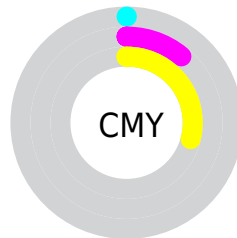


Cyan (0%)

Magenta (11%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7768, 78.9889, 54.9159 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 76.7768, 78.9889, 54.9159 by changing the saturation by 10% instead.




 76.7768, 78.9889,  
54.9159

 76.7768, 78.9889,  
54.9159


472.9063,  
491.5188, 422.8660

 57.3690, 58.8867,  
38.9362


 127.7989,  
131.9432, 98.8876

 41.5429, 42.5219,  
26.4027


160.1439,  
165.5641, 127.7168

 28.9330, 29.5102,  
16.8967


197.5319,  
204.4601, 161.6662

 19.1742, 19.4671,  
9.9997

240.3285,  
249.0154, 201.1544

 11.9010, 12.0083,  
5.2931

288.8988,  
299.6146, 246.6000

 6.7480, 6.7493,  
2.3585

343.6083,

 3.3499, 3.3058,

356.6419, 298.4214

0.7637

404.8224,  
420.4819, 357.0372

■ 1.3414, 1.2934,  
0.0000

■ 0.2139, 0.1361,  
0.0000

■ 76.7768, 78.9889,  
54.9159

■ 76.7768, 78.9889,  
54.9159

■ 71.7584, 72.7630,  
41.4944

■ 82.4365, 85.7303,  
70.9155

■ 67.3464, 67.0259,  
30.5075

■ 88.7582, 92.9912,  
89.6165

■ 63.5115, 61.7643,  
21.8051

95.0500, 100.0000,  
108.9000

■ 60.2190, 56.9597,  
15.2180

■ 57.4293, 52.5920,  
10.5534

■ 55.0965, 48.6376,  
7.5828

■ 53.1535, 45.0650,  
5.9688

■ 52.9758, 44.7317,  
5.8419

# Harmonies

## Analogous

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



83.0621, 78.9889, 60.4436



76.7768, 78.9889, 54.9159



70.3828, 78.9889, 56.7032

# Triad

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



76.7768, 78.9889, 54.9159



63.9914, 78.9889, 100.4822



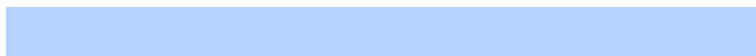
85.5194, 78.9889, 110.0569

# Complementary

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



76.7768, 78.9889, 54.9159



60.1520, 63.1350, 103.6237

# 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.



79.9745, 78.9889, 123.9818



76.7768, 78.9889, 54.9159



67.6200, 78.9889, 117.9161

# Square

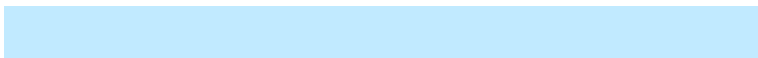
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7768, 78.9889, 54.9159



63.2458, 78.9889, 81.2624



73.4016, 78.9889, 127.0499



88.2977, 78.9889, 90.9296

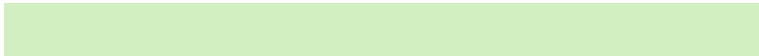


# Rectangle

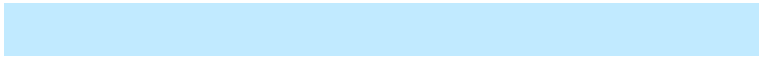
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7768, 78.9889, 54.9159



66.8925, 78.9889, 61.9429



73.4016, 78.9889, 127.0499



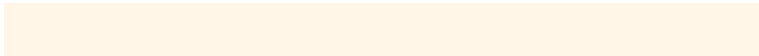
83.9023, 78.9889, 115.6095

# Sweetspot

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



76.7788, 78.9925, 54.9175



88.7707, 93.0053, 89.6543



69.4722, 58.9917, 69.0912



18.7946, 19.6737, 18.5702



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.



76.7788, 78.9925, 54.9175



73.7012, 75.2064, 46.5881



82.6705, 94.7397, 57.6465



18.9288, 19.8258, 18.9734



27.8306, 23.6724, 3.1024



2.8162, 2.5177, 0.3375



# Inverse Universe

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



60.1520, 63.1350, 103.6237



54.5448, 56.9426, 102.7239



55.4124, 51.0110, 101.5333



17.5868, 18.5451, 22.9026



11.9432, 8.7959, 50.5029



1.2655, 1.0617, 4.9515



# Previews

## White Background



This preview shows how the XYZ color 76.7768, 78.9889, 54.9159 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

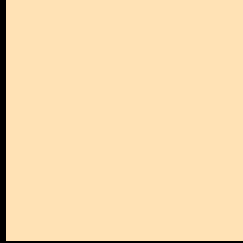
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7768, 78.9889, 54.9159 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

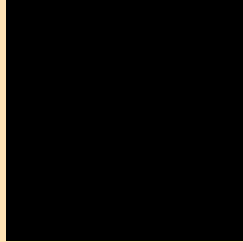
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.7768, 78.9889, 54.9159**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.7768, 78.9889, 54.9159.



This preview shows how white text looks on a background with the XYZ color 76.7768, 78.9889,

54.9159.

# 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

76.7768, 78.9889, 54.9159

### Protanopia

74.1523, 79.2456, 56.1874

### Deuteranopia

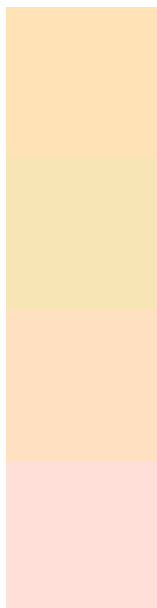
78.4383, 78.7884, 66.3319



## Tritanopia

81.9477, 78.9134, 88.7546

# Trichromacy



## Original Color

76.7768, 78.9889, 54.9159

## Protanomaly

75.1742, 79.3725, 55.6143

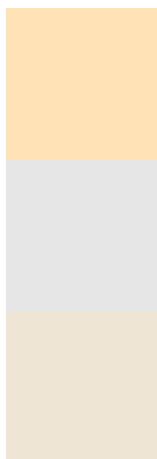
## Deuteranomaly

77.9028, 79.0055, 62.1826

## Tritanomaly

79.8934, 78.9416, 75.3164

# Monochromacy



## Original Color

76.7768, 78.9889, 54.9159

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.4996, 79.1428, 73.5842

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7768, 78.9889, 54.9159 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, 226, 181)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 181)  
}
```

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, 226, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7768, 78.9889, 54.9159 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, 226, 181) }
```



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

```
.border{ border-color:rgb(255, 226, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 181); box-shadow:4px 4px 4px 4px rgb(255, 226, 181) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7768, 78.9889, 54.9159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 181) }
```

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

```
.background{ background-color: rgb(255,  
226, 181) }
```

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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