

# Converting Colors

$Y_{xy}(78.2833, 0.3543, 0.3567)$

Have a look what the booklet for  
Yxy(78.2833, 0.3543, 0.3567)  
contains.

<b>Yxy(78.0209, 0.3546, 0.3566)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(78.0209, 0.3546, 0.3566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDFC4
RGB	255, 223, 196
RGB Percent	100%, 87%, 77%
CMY	0.0001, 0.1254, 0.2314
CMYK	0.00, 0.13, 0.23, 0.00
HSL	27°, 100%, 88%
HSV	27°, 23%, 100%
XYZ	77.5833, 78.0209, 63.1869
YIQ	229.4900, 27.7390, -1.6130

# Conversions

## Conversions Part 2

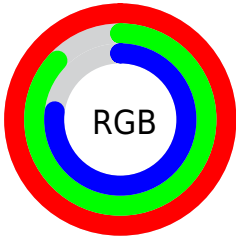
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 246, 196
Decimal	16768964
CIE Lab	90.79, 6.98, 17.30
CIE LCh	91, 18.655, 68.015
Yxy	78.0209, 0.3546, 0.3566
Android (android.graphics.Color)	4294959044 (0xFFFFDFC4)
YUV	229.4900, -16.5106, 22.3723
Hunter-Lab	88.3294, 2.2072, 19.4172

# Details

The Yxy color **78.0209, 0.3546, 0.3566** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.4101, 0.2760, 0.2997**, and the grayscale version is **78.8429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **41.9640, 0.3648, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **69.8764, 0.3772, 0.3692**, and if you desaturate by 10%, it is **86.9721, 0.3348, 0.3443**.

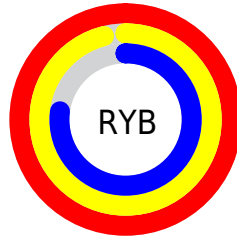
# Distribution



Red (100%)

Green (87%)

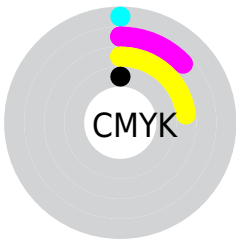
Blue (77%)



Red (100%)

Yellow (96%)

Blue (77%)

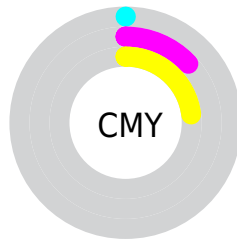


Cyan (0%)

Magenta (13%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0209, 0.3546, 0.3566 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 Yxy color 78.0209, 0.3546, 0.3566 by changing the saturation by 10% instead.




 78.0209, 0.3546,  
0.3566

 78.0209, 0.3546,  
0.3566

488.2378, 0.3354,  
0.3443

 58.0911, 0.3590,  
0.3593

130.5796, 0.3480,  
0.3524

 41.8819, 0.3643,  
0.3626


163.9773, 0.3454,  
0.3507

 29.0089, 0.3710,  
0.3667


202.6331, 0.3431,  
0.3493

 19.0875, 0.3797,  
0.3718

246.9315, 0.3412,  
0.3481

 11.7335, 0.3915,  
0.3785

297.2567, 0.3395,  
0.3469

 6.5625, 0.4079,  
0.3875

353.9933, 0.3379,

 3.1900, 0.4326,

0.3459

0.3999

417.5255, 0.3366,  
0.3451

1.2317, 0.5135,  
0.4530

0.0874, 0.7437,  
0.2563

78.0209, 0.3546,  
0.3566

78.0209, 0.3546,  
0.3566

69.8764, 0.3772,  
0.3692

86.9721, 0.3348,  
0.3443

62.5037, 0.4025,  
0.3815

96.7425, 0.3176,  
0.3325

55.8806, 0.4304,  
0.3928

99.9953, 0.3127,  
0.3290

49.9799, 0.4598,  
0.4017

■ 44.7718, 0.4896,  
0.4072

■ 40.2241, 0.5176,  
0.4078

■ 36.3001, 0.5419,  
0.4028

■ 33.9387, 0.5560,  
0.3967

# Harmonies

## Analogous

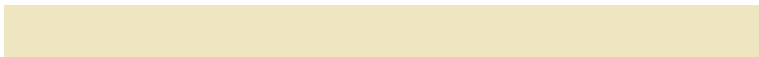
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0209, 0.3550, 0.3399



78.0209, 0.3546, 0.3566



78.0209, 0.3426, 0.3667

# Triad

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



78.0209, 0.3546, 0.3566



78.0209, 0.2824, 0.3360



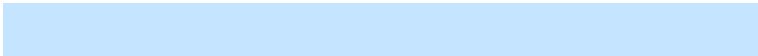
78.0209, 0.3015, 0.2946

# Complementary

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



78.0209, 0.3546, 0.3566



74.4101, 0.2760, 0.2997

# 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.



78.0209, 0.2829, 0.2926



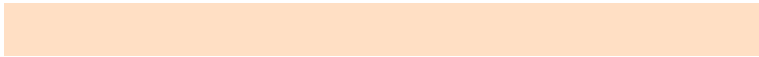
78.0209, 0.3546, 0.3566



78.0209, 0.2722, 0.3157

# Square

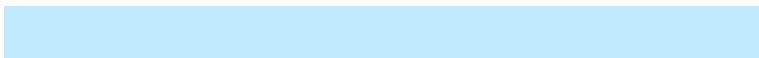
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0209, 0.3546, 0.3566



78.0209, 0.3008, 0.3550



78.0209, 0.2724, 0.3000



78.0209, 0.3238, 0.3050



# Rectangle

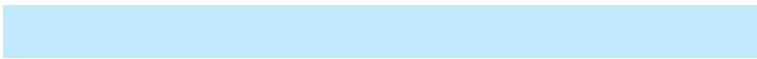
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0209, 0.3546, 0.3566



78.0209, 0.3300, 0.3678



78.0209, 0.2724, 0.3000



78.0209, 0.2946, 0.2929

# Sweetspot

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



78.0244, 0.3546, 0.3566



92.8873, 0.3240, 0.3370



66.3552, 0.3350, 0.2963



19.7546, 0.3250, 0.3377



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



78.0244, 0.3546, 0.3566



73.9778, 0.3652, 0.3627



94.8773, 0.3484, 0.3843



19.3584, 0.3283, 0.3399



18.0281, 0.5533, 0.3989

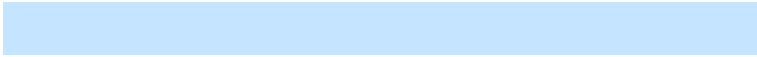


1.9707, 0.5342, 0.4140

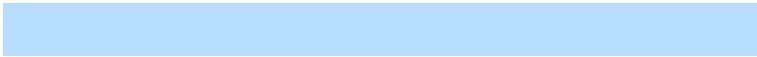


# Inverse Universe

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



74.4101, 0.2760, 0.2997



69.7545, 0.2681, 0.2926



59.7706, 0.2734, 0.2670



19.0085, 0.2979, 0.3178



13.5964, 0.1810, 0.1716

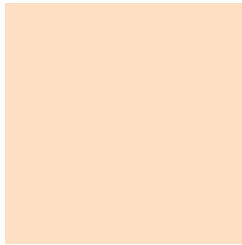


1.5424, 0.1864, 0.1909



# Previews

## White Background



This preview shows how the Yxy color 78.0209, 0.3546, 0.3566 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

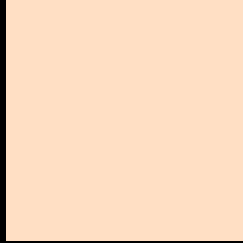
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.0209, 0.3546, 0.3566 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](#).

**Yxy 78.0209, 0.3546, 0.3566**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0209, 0.3546, 0.3566.

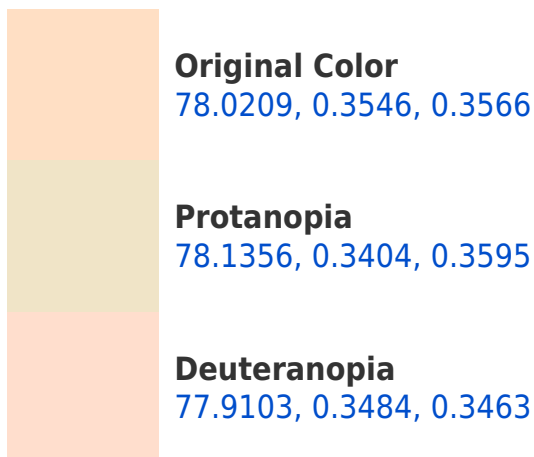


This preview shows how white text looks on a background with the Yxy color 78.0209, 0.3546, 0.3566.

# 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

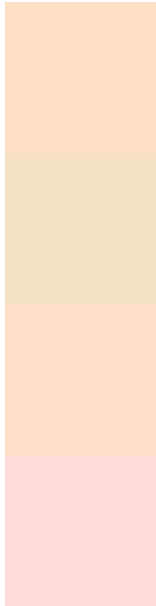




## Tritanopia

77.8635, 0.3285, 0.3141

# Trichromacy



**Original Color**

78.0209, 0.3546, 0.3566

**Protanomaly**

77.8824, 0.3451, 0.3582

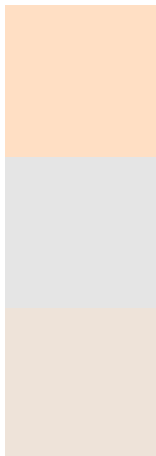
**Deuteranomaly**

77.7668, 0.3506, 0.3494

**Tritanomaly**

77.6137, 0.3381, 0.3291

# Monochromacy



**Original Color**

78.0209, 0.3546, 0.3566

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

78.1251, 0.3270, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0209, 0.3546, 0.3566 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, 223, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 196)  
}
```

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, 223, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0209, 0.3546, 0.3566 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, 223, 196) }
```

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

```
.border{ border-color:rgb(255, 223, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0209, 0.3546, 0.3566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 196) }
```

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

```
.background{ background-color: rgb(255,  
223, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor