

# Converting Colors

$Yxy(85.8402, 0.3865, 0.3608)$

Have a look what the booklet for  
Yxy(85.8402, 0.3865, 0.3608)  
contains.

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# Color

**Yxy(78.2454, 0.3593, 0.3648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0BD
RGB	255, 224, 189
RGB Percent	100%, 88%, 74%
CMY	0.0002, 0.1215, 0.2589
CMYK	0.00, 0.12, 0.26, 0.00
HSL	32°, 100%, 87%
HSV	32°, 26%, 100%
XYZ	77.0657, 78.2454, 59.1774
YIQ	229.2790, 29.7110, -4.3130

# Conversions

## Conversions Part 2

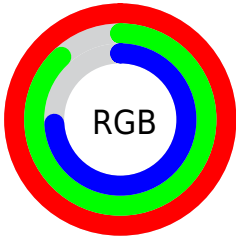
Format	Color
<a href="#">RYB</a>	<a href="#">247, 255, 189</a>
Decimal	<a href="#">16769213</a>
CIELab	<a href="#">90.89, 5.50, 21.08</a>
CIELCh	<a href="#">91, 21.786, 75.374</a>
Yxy	<a href="#">78.2454, 0.3593, 0.3648</a>
Android (android.graphics.Color)	<a href="#">4294959293 (0xFFFFE0BD)</a>
YUV	<a href="#">229.2790, -19.8575, 22.5573</a>
Hunter-Lab	<a href="#">88.4564, 0.7154, 22.2545</a>

# Details

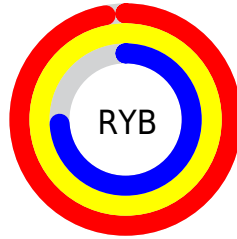
The Yxy color **78.2454, 0.3593, 0.3648** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **69.1740, 0.2711, 0.2903**, and the grayscale version is **78.7012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **42.1593, 0.3700, 0.3721** is the 20% darker color. If you saturate the color by 10%, you get **71.0359, 0.3814, 0.3793**, and if you desaturate by 10%, it is **86.1083, 0.3395, 0.3505**.

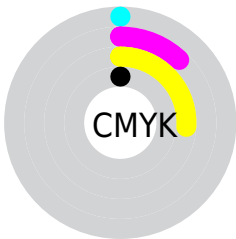
# Distribution



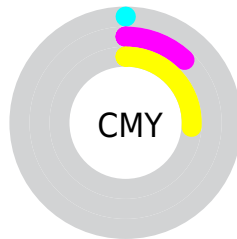
- Red (100%)
- Green (88%)
- Blue (74%)



- Red (97%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (12%)
- Yellow (26%)
- Black (0%)



- Cyan (0%)
- Magenta (12%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2454, 0.3593, 0.3648 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 78.2454, 0.3593, 0.3648 by changing the saturation by 10% instead.





 78.2454, 0.3593,  
0.3648

 78.2454, 0.3593,  
0.3648


488.9998, 0.3380,  
0.3487

 58.2756, 0.3641,  
0.3683


 130.8960, 0.3520,  
0.3593

 42.0302, 0.3700,  
0.3726


164.3456, 0.3491,  
0.3572

 29.1250, 0.3774,  
0.3779


203.0572, 0.3466,  
0.3553

 19.1754, 0.3869,  
0.3846

247.4153, 0.3444,  
0.3537

 11.7971, 0.3995,  
0.3933

297.8042, 0.3425,  
0.3522

 6.6057, 0.4171,  
0.4048

354.6083, 0.3408,

 3.2167, 0.4426,

0.3509

0.4205

418.2121, 0.3393,  
0.3498

1.2459, 0.5221,  
0.4779

0.0987, 0.6980,  
0.3020

78.2454, 0.3593,  
0.3648

78.2454, 0.3593,  
0.3648

71.0359, 0.3814,  
0.3793

86.1083, 0.3395,  
0.3505

64.4498, 0.4056,  
0.3932

94.6322, 0.3220,  
0.3367

58.4698, 0.4315,  
0.4056

99.9903, 0.3127,  
0.3290

53.0740, 0.4580,  
0.4154

■ 48.2382, 0.4838,  
0.4212

■ 43.9354, 0.5073,  
0.4220

■ 40.1346, 0.5270,  
0.4171

■ 38.6971, 0.5343,  
0.4140

# Harmonies

## Analogous

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



78.2454, 0.3634, 0.3466



78.2454, 0.3593, 0.3648



78.2454, 0.3424, 0.3742

# Triad

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



78.2454, 0.3593, 0.3648



78.2454, 0.2735, 0.3310



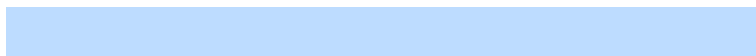
78.2454, 0.3058, 0.2913

# Complementary

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



78.2454, 0.3593, 0.3648



69.1740, 0.2711, 0.2903

# Split Complementary

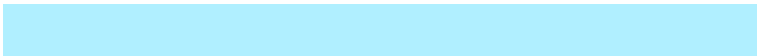
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2454, 0.2826, 0.2864



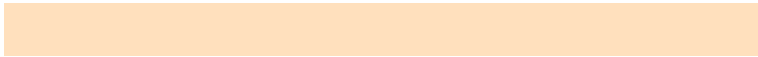
78.2454, 0.3593, 0.3648



78.2454, 0.2646, 0.3080

# Square

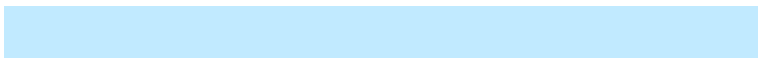
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2454, 0.3593, 0.3648



78.2454, 0.2929, 0.3546



78.2454, 0.2678, 0.2921



78.2454, 0.3318, 0.3052

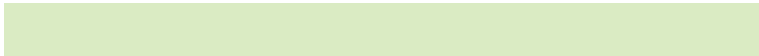


# Rectangle

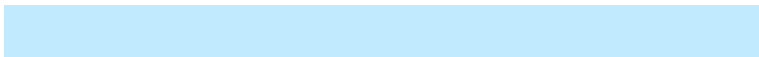
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2454, 0.3593, 0.3648



78.2454, 0.3266, 0.3734



78.2454, 0.2678, 0.2921



78.2454, 0.2974, 0.2885

# Sweetspot

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



78.2490, 0.3593, 0.3648



92.8041, 0.3255, 0.3396



62.8539, 0.3419, 0.2966



19.5847, 0.3281, 0.3416



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.



78.2490, 0.3593, 0.3648



74.5044, 0.3704, 0.3722



96.2035, 0.3512, 0.3941



19.5847, 0.3281, 0.3416



20.5310, 0.5319, 0.4159

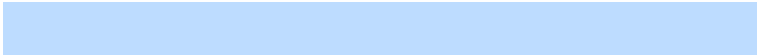


2.2179, 0.5155, 0.4288

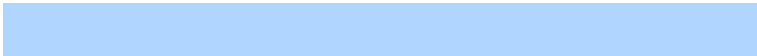


# Inverse Universe

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



69.1740, 0.2711, 0.2903



64.0377, 0.2625, 0.2814



54.5652, 0.2685, 0.2548



18.7819, 0.2979, 0.3160



11.0279, 0.1742, 0.1471



1.2902, 0.1801, 0.1684



# Previews

## White Background



This preview shows how the Yxy color 78.2454, 0.3593, 0.3648 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 78.2454, 0.3593, 0.3648 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

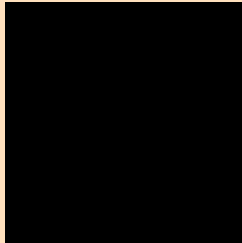
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.2454, 0.3593, 0.3648**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.2454, 0.3593, 0.3648.



This preview shows how white text looks on a background with the Yxy color 78.2454, 0.3593, 0.3648.

# 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

78.2454, 0.3593, 0.3648

### Protanopia

78.6775, 0.3471, 0.3689

### Deuteranopia

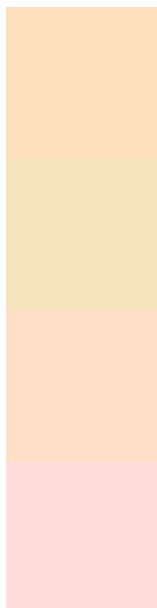
78.2996, 0.3504, 0.3504



## Tritanopia

78.3869, 0.3284, 0.3151

# Trichromacy



## Original Color

78.2454, 0.3593, 0.3648

## Protanomaly

78.4300, 0.3519, 0.3674

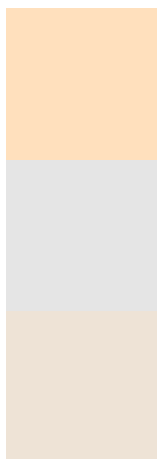
## Deuteranomaly

78.0666, 0.3539, 0.3555

## Tritanomaly

78.0349, 0.3394, 0.3321

# Monochromacy



## Original Color

78.2454, 0.3593, 0.3648

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

77.9704, 0.3290, 0.3426

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.2454, 0.3593, 0.3648 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, 224, 189)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 189)  
}
```

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, 224, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 78.2454, 0.3593, 0.3648 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, 224, 189) }
```

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

```
.border{ border-color:rgb(255, 224, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 189);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.2454, 0.3593, 0.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 189) }
```

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

```
.background{ background-color: rgb(255,  
224, 189) }
```

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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