

# Converting Colors

$Yxy(78.4417, 0.3577, 0.3626)$

Have a look what the booklet for  
Yxy(78.4417, 0.3577, 0.3626)  
contains.

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# Color

**Yxy(78.3329, 0.3579, 0.3627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0BF
RGB	255, 224, 191
RGB Percent	100%, 88%, 75%
CMY	0.0001, 0.1215, 0.2509
CMYK	0.00, 0.12, 0.25, 0.00
HSL	31°, 100%, 87%
HSV	31°, 25%, 100%
XYZ	77.2962, 78.3329, 60.3425
YIQ	229.5070, 29.0690, -3.6910

# Conversions

## Conversions Part 2

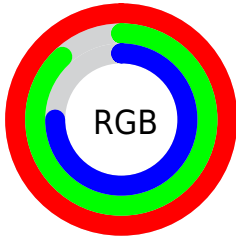
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	251, 255, 191
Decimal	16769215
CIE Lab	90.93, 5.79, 20.08
CIE LCh	91, 20.904, 73.909
Yxy	78.3329, 0.3579, 0.3627
Android (android.graphics.Color)	4294959295 (0xFFFFE0BF)
YUV	229.5070, -18.9840, 22.3574
Hunter-Lab	88.5059, 1.0069, 21.5308

# Details

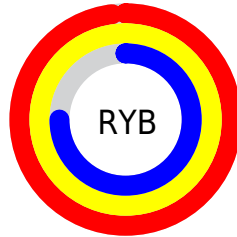
The Yxy color **78.3329, 0.3579, 0.3627** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **70.5323, 0.2725, 0.2927**, and the grayscale version is **78.8758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4954, 0.3173, 0.3367**, and **42.1878, 0.3691, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **70.9123, 0.3801, 0.3768**, and if you desaturate by 10%, it is **86.4380, 0.3381, 0.3488**.

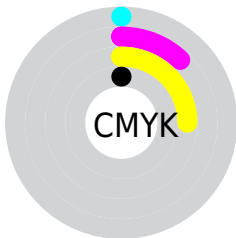
# Distribution



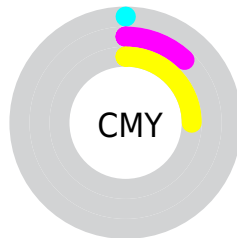
- Red (100%)
- Green (88%)
- Blue (75%)



- Red (98%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (12%)
- Yellow (25%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3329, 0.3579, 0.3627 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 78.3329, 0.3579, 0.3627 by changing the saturation by 10% instead.





 78.3329, 0.3579,  
0.3627

 78.3329, 0.3579,  
0.3627


489.2967, 0.3372,  
0.3476

 58.3475, 0.3626,  
0.3660


 131.0193, 0.3508,  
0.3576

 42.0881, 0.3683,  
0.3700


164.4891, 0.3480,  
0.3555

 29.1703, 0.3755,  
0.3750


203.2224, 0.3456,  
0.3538

 19.2097, 0.3847,  
0.3813

247.6038, 0.3435,  
0.3522

 11.8219, 0.3971,  
0.3895

298.0174, 0.3416,  
0.3509

 6.6225, 0.4143,  
0.4005

354.8479, 0.3400,

 3.2272, 0.4395,

0.3497

0.4154

418.4795, 0.3385,  
0.3486

1.2514, 0.5238,  
0.4762

0.1031, 0.6990,  
0.3010

78.3329, 0.3579,  
0.3627

78.3329, 0.3579,  
0.3627

70.9123, 0.3801,  
0.3768

86.4380, 0.3381,  
0.3488

64.1451, 0.4045,  
0.3904

95.2360, 0.3207,  
0.3355

58.0134, 0.4308,  
0.4026

99.9970, 0.3127,  
0.3290

52.4941, 0.4579,  
0.4123

■ 47.5621, 0.4846,  
0.4182

■ 43.1897, 0.5091,  
0.4190

■ 39.3448, 0.5299,  
0.4142

■ 37.6317, 0.5389,  
0.4103

# Harmonies

## Analogous

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



78.3329, 0.3611, 0.3450



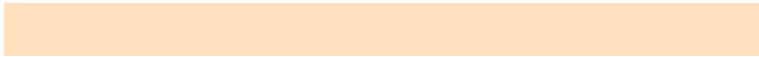
78.3329, 0.3579, 0.3627



78.3329, 0.3423, 0.3721

# Triad

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



78.3329, 0.3579, 0.3627



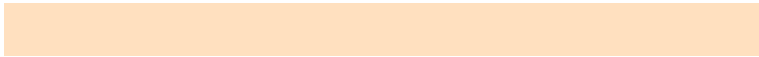
78.3329, 0.2758, 0.3321



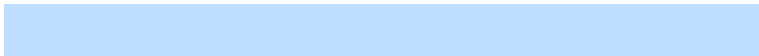
78.3329, 0.3049, 0.2923

# Complementary

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



78.3329, 0.3579, 0.3627



70.5323, 0.2725, 0.2927

# Split Complementary

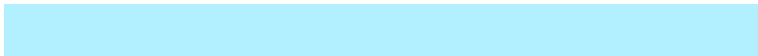
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3329, 0.2829, 0.2881



78.3329, 0.3579, 0.3627



78.3329, 0.2666, 0.3099

# Square

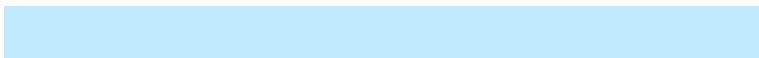
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3329, 0.3579, 0.3627



78.3329, 0.2948, 0.3545



78.3329, 0.2691, 0.2941



78.3329, 0.3298, 0.3053



# Rectangle

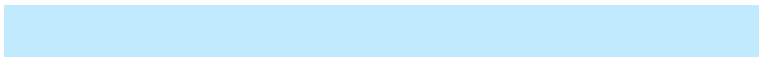
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3329, 0.3579, 0.3627



78.3329, 0.3272, 0.3718



78.3329, 0.2691, 0.2941



78.3329, 0.2969, 0.2898

# Sweetspot

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



78.3365, 0.3579, 0.3627



92.6142, 0.3256, 0.3393



63.8520, 0.3399, 0.2965



19.5369, 0.3281, 0.3413



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.



78.3365, 0.3579, 0.3627



74.6169, 0.3685, 0.3696



96.5293, 0.3508, 0.3919



19.5369, 0.3281, 0.3413



19.9666, 0.5364, 0.4123

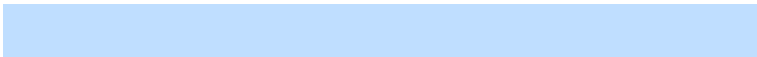


2.1629, 0.5194, 0.4258

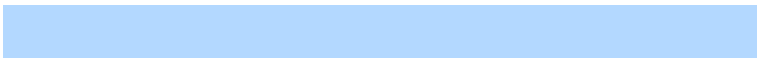


# Inverse Universe

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



70.5323, 0.2725, 0.2927



65.6203, 0.2643, 0.2845



55.5643, 0.2693, 0.2573



18.8294, 0.2979, 0.3164



11.5310, 0.1756, 0.1521

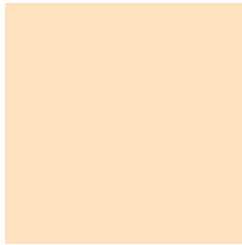


1.3403, 0.1814, 0.1731



# Previews

## White Background



This preview shows how the Yxy color 78.3329, 0.3579, 0.3627 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

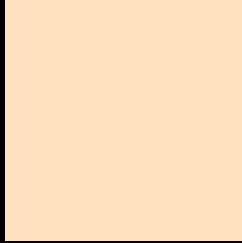
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3329, 0.3579, 0.3627 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

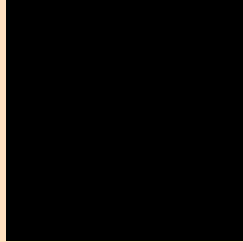
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.3329, 0.3579, 0.3627**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3329, 0.3579, 0.3627.



This preview shows how white text looks on a background with the Yxy color 78.3329, 0.3579, 0.3627.

# 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

78.3329, 0.3579, 0.3627

### Protanopia

78.5897, 0.3450, 0.3668

### Deuteranopia

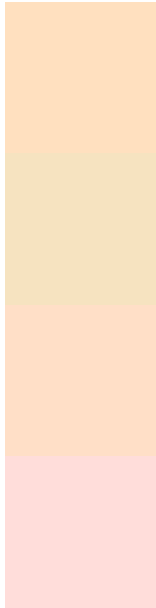
78.3471, 0.3497, 0.3494



## Tritanopia

78.3869, 0.3284, 0.3151

# Trichromacy



**Original Color**

78.3329, 0.3579, 0.3627

**Protanomaly**

78.3368, 0.3498, 0.3654

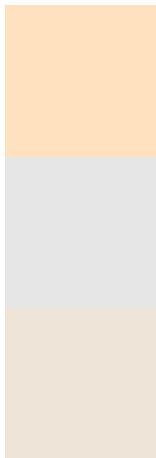
**Deuteranomaly**

78.1589, 0.3525, 0.3535

**Tritanomaly**

78.0349, 0.3394, 0.3321

# Monochromacy



**Original Color**

78.3329, 0.3579, 0.3627

**Achromatopsia**

79.1298, 0.3127, 0.3290

**Achromatomaly**

78.7954, 0.3283, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3329, 0.3579, 0.3627 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3329, 0.3579, 0.3627 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, 191) }
```

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

```
.border{ border-color:rgb(255, 224, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3329, 0.3579, 0.3627 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, 191) }
```

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

```
.background{ background-color: rgb(255,  
224, 191) }
```

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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