

# Converting Colors

$Yxy(78.4286, 0.3504, 0.3551)$

Have a look what the booklet for  
Yxy(78.4286, 0.3504, 0.3551)  
contains.

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# Color

**Yxy(78.3175, 0.3508, 0.3546)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FDE0C7
RGB	253, 224, 199
RGB Percent	99%, 88%, 78%
CMY	0.0078, 0.1216, 0.2196
CMYK	0.00, 0.11, 0.21, 0.01
HSL	28°, 93%, 89%
HSV	28°, 21%, 99%
XYZ	77.4782, 78.3175, 65.0658
YIQ	229.8210, 25.3090, -1.6270

# Conversions

## Conversions Part 2

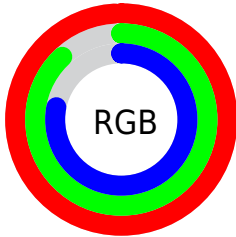
Format	Color
R <sub>Y</sub> B	253, 246, 199
Decimal	16638151
CIE Lab	90.92, 6.19, 15.89
CIE LCh	91, 17.057, 68.721
Yxy	78.3175, 0.3508, 0.3546
Android (android.graphics.Color)	4294828231 (0xFFFDE0C7)
YUV	229.8210, -15.1948, 20.3280
Hunter-Lab	88.4972, 1.4046, 18.3562

# Details

The Yxy color  $78.3175, 0.3508, 0.3546$  is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be  $74.7358, 0.2789, 0.3020$ , and the grayscale version is  $79.0956, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $42.1560, 0.3597, 0.3605$  is the 20% darker color. If you saturate the color by 10%, you get  $70.2245, 0.3728, 0.3673$ , and if you desaturate by 10%, it is  $87.1972, 0.3315, 0.3422$ .

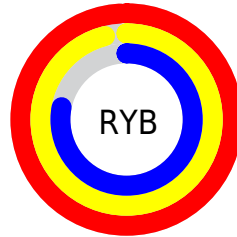
# Distribution



Red (99%)

Green (88%)

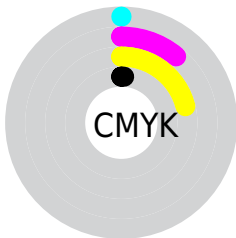
Blue (78%)



Red (99%)

Yellow (96%)

Blue (78%)

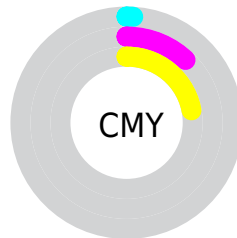


Cyan (0%)

Magenta (11%)

Yellow (21%)

Black (1%)



Cyan (1%)

Magenta (12%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3175, 0.3508, 0.3546 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 78.3175, 0.3508, 0.3546 by changing the saturation by 10% instead.




 78.3175, 0.3508,  
0.3546

 78.3175, 0.3508,  
0.3546


489.2444, 0.3333,  
0.3431

 58.3348, 0.3548,  
0.3571


130.9976, 0.3448,  
0.3507

 42.0779, 0.3596,  
0.3602


164.4638, 0.3424,  
0.3492

 29.1623, 0.3657,  
0.3640


203.1934, 0.3404,  
0.3478

 19.2036, 0.3737,  
0.3689

247.5706, 0.3386,  
0.3466

 11.8175, 0.3843,  
0.3752

297.9799, 0.3370,  
0.3456

 6.6195, 0.3993,  
0.3838

354.8057, 0.3357,

 3.2253, 0.4220,

0.3447

0.3959

418.4324, 0.3344,  
0.3439

1.2505, 0.4882,  
0.4395

0.1024, 0.7082,  
0.2918

78.3175, 0.3508,  
0.3546

78.3175, 0.3508,  
0.3546

70.2245, 0.3728,  
0.3673

87.1972, 0.3315,  
0.3422

62.8843, 0.3976,  
0.3798

96.8752, 0.3148,  
0.3305

56.2759, 0.4248,  
0.3914

99.6268, 0.3115,  
0.3290

50.3731, 0.4539,  
0.4010

■ 45.1479, 0.4835,  
0.4073

■ 40.5694, 0.5118,  
0.4089

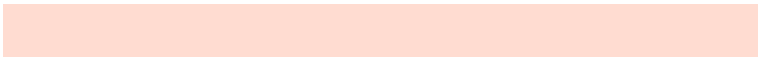
■ 36.6031, 0.5367,  
0.4051

■ 33.6288, 0.5546,  
0.3978

# Harmonies

## Analogous

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



78.3175, 0.3514, 0.3395



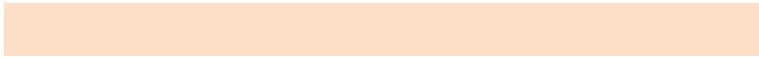
78.3175, 0.3508, 0.3546



78.3175, 0.3397, 0.3635

# Triad

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



78.3175, 0.3508, 0.3546



78.3175, 0.2847, 0.3350



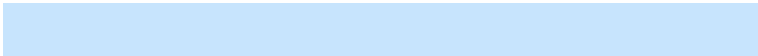
78.3175, 0.3030, 0.2976

# Complementary

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



78.3175, 0.3508, 0.3546



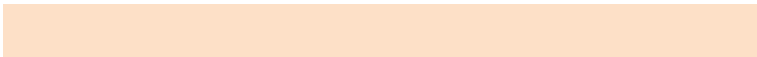
74.7358, 0.2789, 0.3020

# Split Complementary

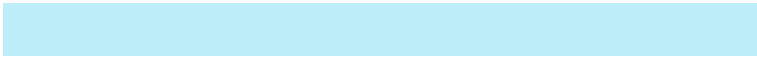
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3175, 0.2858, 0.2957



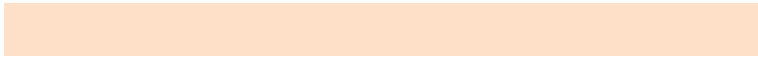
78.3175, 0.3508, 0.3546



78.3175, 0.2755, 0.3165

# Square

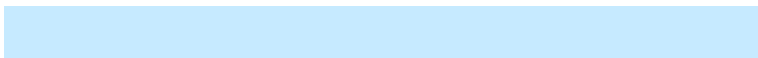
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3175, 0.3508, 0.3546



78.3175, 0.3014, 0.3523



78.3175, 0.2759, 0.3023



78.3175, 0.3233, 0.3073



# Rectangle

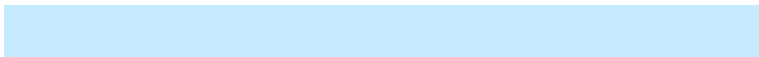
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3175, 0.3508, 0.3546



78.3175, 0.3281, 0.3642



78.3175, 0.2759, 0.3023



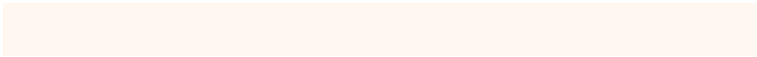
78.3175, 0.2966, 0.2960

# Sweetspot

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



78.3210, 0.3508, 0.3546



93.9205, 0.3223, 0.3359



67.3753, 0.3330, 0.2989



19.9651, 0.3234, 0.3367



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.



78.3210, 0.3508, 0.3546



75.7825, 0.3607, 0.3605



93.5812, 0.3456, 0.3799



19.3724, 0.3283, 0.3400



18.1705, 0.5520, 0.3999

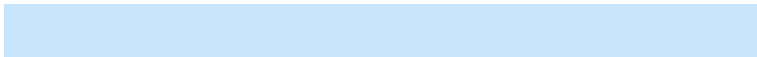


1.9850, 0.5330, 0.4150

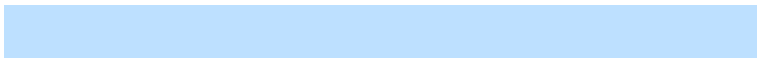


# Inverse Universe

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



74.7358, 0.2789, 0.3020



71.4842, 0.2714, 0.2952



61.3371, 0.2768, 0.2724



18.9943, 0.2979, 0.3177



13.4236, 0.1806, 0.1700

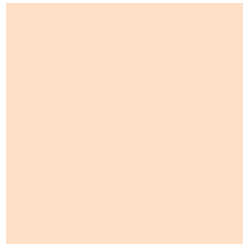


1.5257, 0.1860, 0.1895



# Previews

## White Background



This preview shows how the Yxy color 78.3175, 0.3508, 0.3546 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 78.3175, 0.3508, 0.3546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

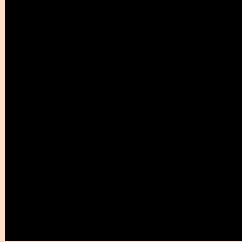
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.3175, 0.3508, 0.3546**

## Background



This preview shows how black text looks on a background with the Yxy color 78.3175, 0.3508, 0.3546.

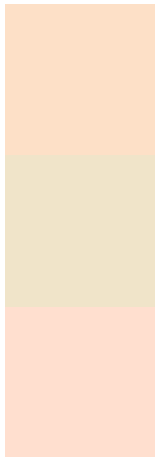


This preview shows how white text looks on a background with the Yxy color 78.3175, 0.3508, 0.3546.

# 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

78.3175, 0.3508, 0.3546

### Protanopia

78.2291, 0.3391, 0.3574

### Deuteranopia

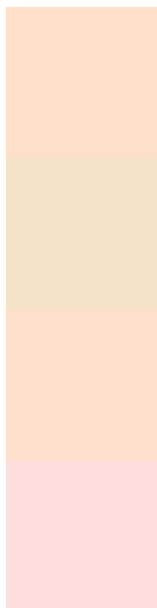
78.5403, 0.3468, 0.3453



## Tritanopia

78.4446, 0.3277, 0.3142

# Trichromacy



## Original Color

78.3175, 0.3508, 0.3546

## Protanomaly

78.5208, 0.3436, 0.3571

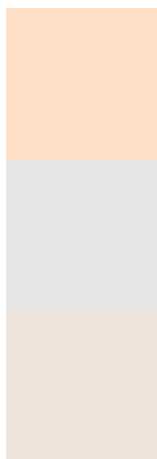
## Deuteranomaly

78.2058, 0.3482, 0.3484

## Tritanomaly

78.0577, 0.3359, 0.3281

# Monochromacy



## Original Color

78.3175, 0.3508, 0.3546

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

78.7784, 0.3256, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3175, 0.3508, 0.3546 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(253, 224, 199)` looks like.

```
.text, #text, p{  
    color:rgb(253, 224, 199)  
}
```

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(253, 224, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 224, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3175, 0.3508, 0.3546 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(253, 224, 199) }
```

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

```
.border{ border-color:rgb(253, 224, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 224, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 224, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 224, 199);  
box-shadow:4px 4px 4px 4px rgb(253, 224,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3175, 0.3508, 0.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 224, 199) }
```

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

```
.background{ background-color: rgb(253,  
224, 199) }
```

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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