

# Converting Colors

$Yxy(80.4857, 0.4130, 0.3480)$

Have a look what the booklet for  
Yxy(80.4857, 0.4130, 0.3480)  
contains.

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# Color

**Yxy(68.3415, 0.3688, 0.3520)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | FFCDB7                    |
| RGB         | 255, 205, 183             |
| RGB Percent | 100%, 80%, 72%            |
| CMY         | 0.0002, 0.1960, 0.2824    |
| CMYK        | 0.00, 0.20, 0.28, 0.00    |
| HSL         | 18°, 100%, 86%            |
| HSV         | 18°, 28%, 100%            |
| XYZ         | 71.6033, 68.3415, 54.2072 |
| YIQ         | 217.4420, 36.8620, 3.7580 |

# Conversions

## Conversions Part 2

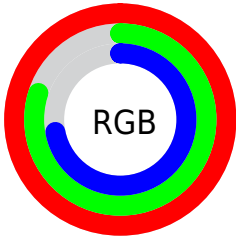
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 255, 215, 183                  |
| Decimal                             | 16764343                       |
| CIE Lab                             | 86.18, 14.54, 17.66            |
| CIE LCh                             | 86, 22.870, 50.532             |
| Yxy                                 | 68.3415, 0.3688,<br>0.3520     |
| Android<br>(android.graphics.Color) | 4294954423<br>(0xFFFFCDB7)     |
| YUV                                 | 217.4420, -16.9799,<br>32.9384 |
| Hunter-Lab                          | 82.6689, 9.9362,<br>18.9909    |

# Details

The Yxy color **68.3415, 0.3688, 0.3520** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.5064, 0.2691, 0.3047**, and the grayscale version is **69.8057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **35.6152, 0.3823, 0.3571** is the 20% darker color. If you saturate the color by 10%, you get **59.3876, 0.3958, 0.3605**, and if you desaturate by 10%, it is **78.4505, 0.3458, 0.3435**.

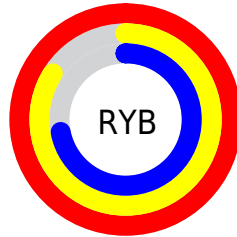
# Distribution



Red (100%)

Green (80%)

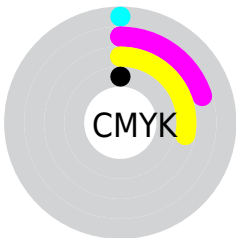
Blue (72%)



Red (100%)

Yellow (84%)

Blue (72%)

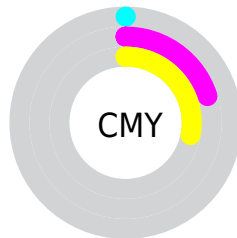


Cyan (0%)

Magenta (20%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.3415, 0.3688, 0.3520 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 68.3415, 0.3688, 0.3520 by changing the saturation by 10% instead.




 68.3415, 0.3688,  
0.3520

 68.3415, 0.3688,  
0.3520


454.7050, 0.3423,  
0.3418

 50.1756, 0.3750,  
0.3542


 116.8406, 0.3595,  
0.3486

 35.5530, 0.3826,  
0.3568


147.9425, 0.3559,  
0.3472

 24.0891, 0.3924,  
0.3600


184.1253, 0.3529,  
0.3460

 15.3998, 0.4052,  
0.3639

225.7732, 0.3502,  
0.3450

 9.1004, 0.4229,  
0.3687

273.2708, 0.3479,  
0.3441

 4.8067, 0.4484,  
0.3745

327.0023, 0.3458,

 2.1343, 0.4898,

0.3433

0.3821

387.3523, 0.3440,  
0.3425

0.6838, 0.5976,  
0.4024

0.0000, 0.0000,  
0.0000

68.3415, 0.3688,  
0.3520

68.3415, 0.3688,  
0.3520

59.3876, 0.3958,  
0.3605

78.4505, 0.3458,  
0.3435

51.5372, 0.4268,  
0.3685

89.7448, 0.3264,  
0.3353

44.7487, 0.4615,  
0.3750

99.9905, 0.3127,  
0.3290

38.9739, 0.4985,  
0.3789

■ 34.1609, 0.5352,  
0.3790

■ 30.2518, 0.5681,  
0.3744

■ 27.1794, 0.5939,  
0.3652

■ 26.7127, 0.5980,  
0.3634

# Harmonies

## Analogous

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



68.3415, 0.3602, 0.3286



68.3415, 0.3688, 0.3520



68.3415, 0.3615, 0.3708

# Triad

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



68.3415, 0.3688, 0.3520



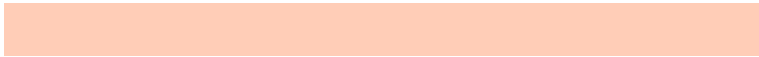
68.3415, 0.2866, 0.3531



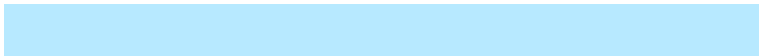
68.3415, 0.2835, 0.2825

# Complementary

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



68.3415, 0.3688, 0.3520



75.5064, 0.2691, 0.3047

# 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.



68.3415, 0.2655, 0.2866



68.3415, 0.3688, 0.3520



68.3415, 0.2672, 0.3265

# Square

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



68.3415, 0.3688, 0.3520



68.3415, 0.3135, 0.3729



68.3415, 0.2597, 0.3022



68.3415, 0.3099, 0.2898



# Rectangle

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



68.3415, 0.3688, 0.3520



68.3415, 0.3490, 0.3779



68.3415, 0.2597, 0.3022



68.3415, 0.2763, 0.2826

# Sweetspot

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



68.3447, 0.3688, 0.3520



90.0562, 0.3260, 0.3351



61.0145, 0.3326, 0.2783



18.8944, 0.3287, 0.3363



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.



68.3447, 0.3688, 0.3520



63.0647, 0.3839, 0.3570



87.3171, 0.3592, 0.3867



18.8944, 0.3287, 0.3363



14.1940, 0.5950, 0.3657

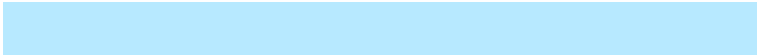


1.5654, 0.5729, 0.3833

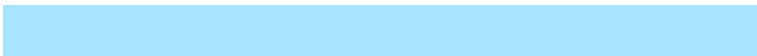


# Inverse Universe

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



75.5064, 0.2691, 0.3047



71.3084, 0.2605, 0.2989



57.3859, 0.2648, 0.2637



19.4872, 0.2980, 0.3215



20.4567, 0.1960, 0.2256



2.1853, 0.1997, 0.2388



# Previews

## White Background



This preview shows how the Yxy color 68.3415, 0.3688, 0.3520 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 68.3415, 0.3688, 0.3520 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

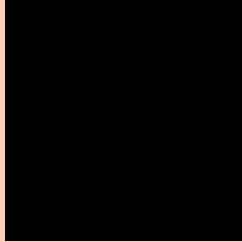
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.3415, 0.3688, 0.3520**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.3415, 0.3688, 0.3520.



This preview shows how white text looks on a background with the Yxy color 68.3415, 0.3688, 0.3520.

# 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

68.3415, 0.3688, 0.3520

### Protanopia

68.4005, 0.3398, 0.3590

### Deuteranopia

68.4456, 0.3632, 0.3566



## Tritanopia

68.4589, 0.3438, 0.3148

# Trichromacy



**Original Color**

68.3415, 0.3688, 0.3520

**Protanomaly**

68.1382, 0.3507, 0.3562

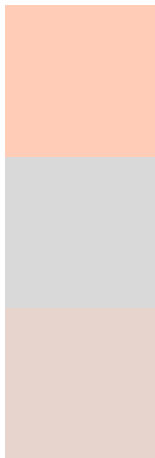
**Deuteranomaly**

68.5123, 0.3658, 0.3553

**Tritanomaly**

68.3315, 0.3529, 0.3281

# Monochromacy



**Original Color**

68.3415, 0.3688, 0.3520

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

68.9852, 0.3318, 0.3377

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.3415, 0.3688, 0.3520 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, 205, 183)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 183)  
}
```

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, 205, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 68.3415, 0.3688, 0.3520 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, 205, 183) }
```

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

```
.border{ border-color:rgb(255, 205, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 205, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 205, 183); box-shadow:4px 4px 4px 4px rgb(255, 205, 183) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.3415, 0.3688, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 183) }
```

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

```
.background{ background-color: rgb(255,  
205, 183) }
```

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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