

# Converting Colors

$Y_{xy}(92.6498, 0.4106, 0.3741)$

Have a look what the booklet for  
Yxy(92.6498, 0.4106, 0.3741)  
contains.

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# Color

**Yxy(79.8420, 0.3680, 0.3830)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE4AF
RGB	255, 228, 175
RGB Percent	100%, 89%, 69%
CMY	0.0001, 0.1058, 0.3139
CMYK	0.00, 0.11, 0.31, 0.00
HSL	40°, 100%, 84%
HSV	40°, 31%, 100%
XYZ	76.7150, 79.8420, 51.9077
YIQ	230.0310, 33.1050, -10.7590

# Conversions

## Conversions Part 2

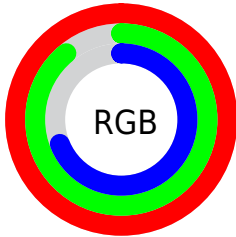
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	216, 255, 175
Decimal	16770223
CIE Lab	91.61, 1.68, 29.30
CIE LCh	92, 29.351, 86.718
Yxy	79.8420, 0.3680, 0.3830
Android (android.graphics.Color)	4294960303 (0xFFFFE4AF)
YUV	230.0310, -27.1303, 21.8978
Hunter-Lab	89.3544, -3.1192, 28.1053

# Details

The Yxy color **79.8420, 0.3680, 0.3830** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.5431, 0.2603, 0.2682**, and the grayscale version is **79.3405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **43.1626, 0.3799, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **74.3240, 0.3886, 0.4004**, and if you desaturate by 10%, it is **85.7916, 0.3487, 0.3653**.

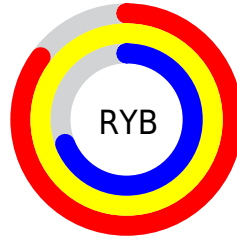
# Distribution



Red (100%)

Green (89%)

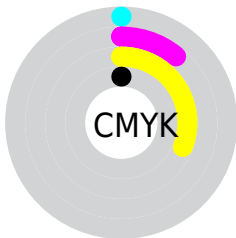
Blue (69%)



Red (85%)

Yellow (100%)

Blue (69%)

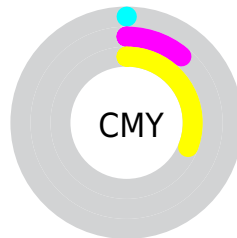


Cyan (0%)

Magenta (11%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8420, 0.3680, 0.3830 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 79.8420, 0.3680, 0.3830 by changing the saturation by 10% instead.





 79.8420, 0.3680,  
0.3830

 79.8420, 0.3680,  
0.3830


494.4002, 0.3430,  
0.3587

 59.5883, 0.3735,  
0.3883


 133.1436, 0.3595,  
0.3748

 43.0869, 0.3802,  
0.3947


166.9603, 0.3561,  
0.3715

 29.9533, 0.3885,  
0.4026


206.0668, 0.3532,  
0.3687

 19.8032, 0.3990,  
0.4126

250.8475, 0.3506,  
0.3662

 12.2520, 0.4125,  
0.4253

301.6868, 0.3484,  
0.3640

 6.9156, 0.4303,  
0.4418

358.9691, 0.3464,

 3.4094, 0.4573,

0.3621

0.4665

423.0788, 0.3446,  
0.3603

■ 1.3490, 0.4978,  
0.5022

■ 0.1787, 0.5413,  
0.4587

■ 79.8420, 0.3680,  
0.3830

■ 79.8420, 0.3680,  
0.3830

■ 74.3240, 0.3886,  
0.4004

■ 85.7916, 0.3487,  
0.3653

■ 69.2126, 0.4100,  
0.4165

■ 92.1751, 0.3309,  
0.3479

■ 64.4962, 0.4313,  
0.4304

■ 99.0083, 0.3148,  
0.3312

■ 60.1582, 0.4517,  
0.4408

99.9975, 0.3127,  
0.3290

■ 56.1799, 0.4700,  
0.4467

■ 52.5394, 0.4853,  
0.4474

■ 49.6460, 0.4961,  
0.4443

# Harmonies

## Analogous

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



79.8420, 0.3809, 0.3617



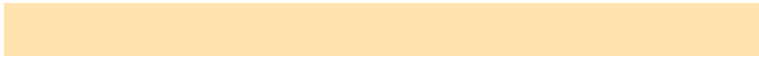
79.8420, 0.3680, 0.3830



79.8420, 0.3403, 0.3905

# Triad

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



79.8420, 0.3680, 0.3830



79.8420, 0.2545, 0.3188



79.8420, 0.3163, 0.2851

# Complementary

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



79.8420, 0.3680, 0.3830



58.5431, 0.2603, 0.2682

# 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.



79.8420, 0.2831, 0.2738



79.8420, 0.3680, 0.3830



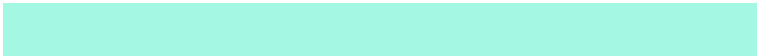
79.8420, 0.2488, 0.2911

# Square

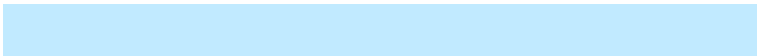
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8420, 0.3680, 0.3830



79.8420, 0.2751, 0.3520



79.8420, 0.2590, 0.2754



79.8420, 0.3503, 0.3067

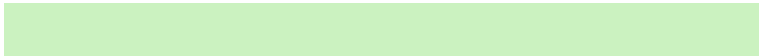


# Rectangle

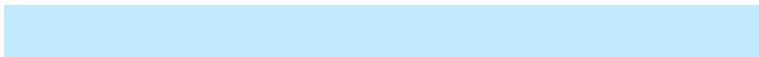
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8420, 0.3680, 0.3830



79.8420, 0.3177, 0.3851



79.8420, 0.2590, 0.2754



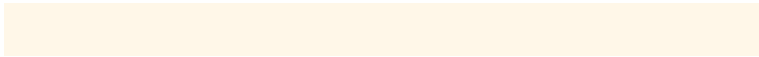
79.8420, 0.3047, 0.2800

# Sweetspot

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



79.8457, 0.3680, 0.3830



93.7720, 0.3269, 0.3439



56.2157, 0.3594, 0.3001



19.8630, 0.3293, 0.3463



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

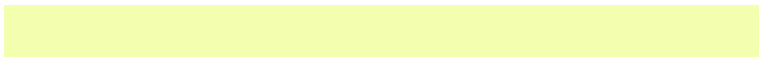
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8457, 0.3680, 0.3830



76.1533, 0.3815, 0.3946



93.6575, 0.3521, 0.4099



19.9987, 0.3278, 0.3447



26.2312, 0.4945, 0.4456



2.7561, 0.4837, 0.4541

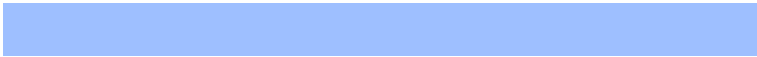


# Inverse Universe

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



58.5431, 0.2603, 0.2682



51.6580, 0.2484, 0.2528



48.4279, 0.2648, 0.2381



18.3783, 0.2979, 0.3128



7.4924, 0.1635, 0.1085



0.9218, 0.1697, 0.1308



# Previews

## White Background



This preview shows how the Yxy color 79.8420, 0.3680, 0.3830 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

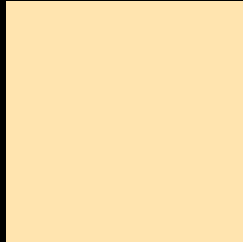
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.8420, 0.3680, 0.3830 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

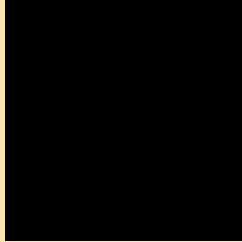
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.8420, 0.3680, 0.3830**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.8420, 0.3680, 0.3830.



This preview shows how white text looks on a background with the Yxy color 79.8420, 0.3680, 0.3830.

# 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

79.8420, 0.3680, 0.3830

### Protanopia

80.0606, 0.3605, 0.3860

### Deuteranopia

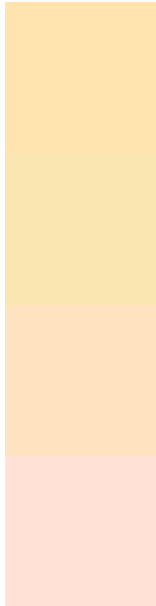
79.9170, 0.3498, 0.3534



## Tritanopia

80.0335, 0.3274, 0.3172

# Trichromacy



## Original Color

79.8420, 0.3680, 0.3830

## Protanomaly

80.0522, 0.3630, 0.3846

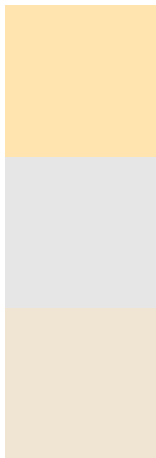
## Deuteranomaly

80.0039, 0.3565, 0.3646

## Tritanomaly

79.9145, 0.3423, 0.3412

# Monochromacy



## Original Color

79.8420, 0.3680, 0.3830

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.0425, 0.3321, 0.3489

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.8420, 0.3680, 0.3830 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, 228, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 175)  
}
```

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, 228, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 79.8420, 0.3680, 0.3830 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, 228, 175) }
```

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

```
.border{ border-color:rgb(255, 228, 175) }
```

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

Here you see how a box with a 4 pixel rgb(255, 228, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.8420, 0.3680, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 175) }
```

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

```
.background{ background-color: rgb(255,  
228, 175) }
```

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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