

# Converting Colors

$Y_{xy}(80.3239, 0.3553, 0.3790)$

Have a look what the booklet for  
Yxy(80.3239, 0.3553, 0.3790)  
contains.

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# Color

**Yxy(80.1636, 0.3550, 0.3788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E7B7
RGB	246, 231, 183
RGB Percent	96%, 91%, 72%
CMY	0.0354, 0.0941, 0.2822
CMYK	0.00, 0.06, 0.26, 0.04
HSL	46°, 78%, 84%
HSV	46°, 26%, 96%
XYZ	75.1269, 80.1636, 56.3346
YIQ	230.0130, 24.3480, -11.7480

# Conversions

## Conversions Part 2

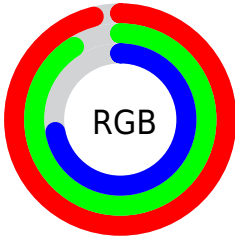
Format	Color
R <sub>Y</sub> B	203, 246, 183
Decimal	16181175
CIE Lab	91.76, -2.18, 25.23
CIE LCh	92, 25.325, 94.931
Yxy	80.1636, 0.3550, 0.3788
Android (android.graphics.Color)	4294371255 (0xFFFF6E7B7)
YUV	230.0130, -23.1774, 14.0206
Hunter-Lab	89.5341, -6.9077, 25.3688

# Details

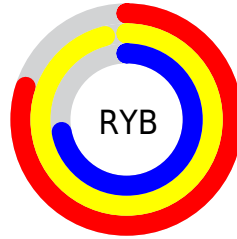
The Yxy color **80.1636, 0.3550, 0.3788** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.1176, 0.2701, 0.2737**, and the grayscale version is **79.3045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **43.4812, 0.3639, 0.3903** is the 20% darker color. If you saturate the color by 10%, you get **76.0099, 0.3733, 0.3987**, and if you desaturate by 10%, it is **84.6130, 0.3375, 0.3589**.

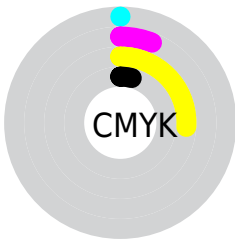
# Distribution



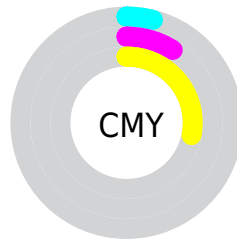
- Red (96%)
- Green (91%)
- Blue (72%)



- Red (80%)
- Yellow (96%)
- Blue (72%)



- Cyan (0%)
- Magenta (6%)
- Yellow (26%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1636, 0.3550, 0.3788 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 80.1636, 0.3550, 0.3788 by changing the saturation by 10% instead.




 80.1636, 0.3550,  
0.3788

 80.1636, 0.3550,  
0.3788

495.4840, 0.3359,  
0.3562

 59.8530, 0.3592,  
0.3838


 133.5957, 0.3485,  
0.3710

 43.3001, 0.3643,  
0.3900


167.4860, 0.3459,  
0.3680

 30.1207, 0.3707,  
0.3977


206.6717, 0.3437,  
0.3654

 19.9302, 0.3787,  
0.4075

251.5371, 0.3418,  
0.3631

 12.3443, 0.3891,  
0.4204

302.4666, 0.3400,  
0.3610

 6.9786, 0.4031,  
0.4378

359.8447, 0.3385,

 3.4487, 0.4223,

0.3592

0.4626

424.0557, 0.3372,  
0.3576

■ 1.3703, 0.4736,  
0.5264

■ 0.1946, 0.4039,  
0.5961

■ 80.1636, 0.3550,  
0.3788

■ 80.1636, 0.3550,  
0.3788

■ 76.0099, 0.3733,  
0.3987

■ 84.6130, 0.3375,  
0.3589

■ 72.1308, 0.3921,  
0.4177

■ 89.3569, 0.3212,  
0.3395

■ 68.5185, 0.4105,  
0.4349

■ 94.2893, 0.3073,  
0.3227

■ 65.1608, 0.4280,  
0.4492

■ 97.9539, 0.3072,  
0.3284

■ 62.0439, 0.4435,  
0.4595

■ 98.3290, 0.3072,  
0.3290

■ 59.1518, 0.4563,  
0.4652

■ 56.4652, 0.4661,  
0.4659

■ 55.3323, 0.4697,  
0.4652

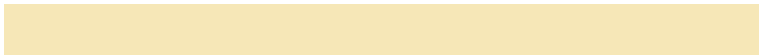
# Harmonies

## Analogous

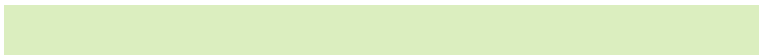
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1636, 0.3700, 0.3635



80.1636, 0.3550, 0.3788



80.1636, 0.3289, 0.3806

# Triad

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



80.1636, 0.3550, 0.3788



80.1636, 0.2595, 0.3132



80.1636, 0.3243, 0.2953

# Complementary

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



80.1636, 0.3550, 0.3788



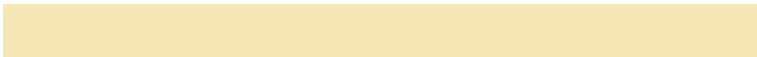
57.1176, 0.2701, 0.2737

# Split Complementary

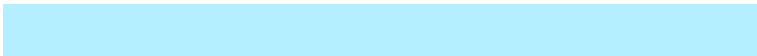
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1636, 0.2946, 0.2826



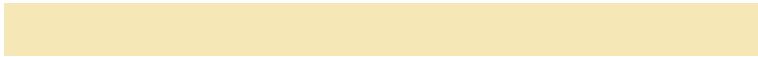
80.1636, 0.3550, 0.3788



80.1636, 0.2583, 0.2915

# Square

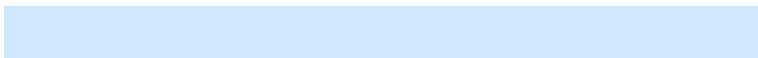
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1636, 0.3550, 0.3788



80.1636, 0.2742, 0.3411



80.1636, 0.2708, 0.2810



80.1636, 0.3520, 0.3160

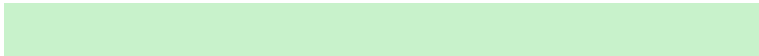


# Rectangle

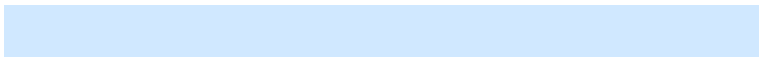
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1636, 0.3550, 0.3788



80.1636, 0.3091, 0.3729



80.1636, 0.2708, 0.2810



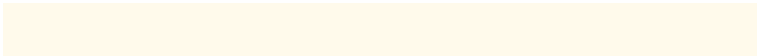
80.1636, 0.3142, 0.2900

# Sweetspot

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



80.1672, 0.3550, 0.3788



95.6984, 0.3251, 0.3441



57.5861, 0.3537, 0.3123



20.3154, 0.3275, 0.3470



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

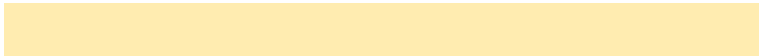


# Same Dimension

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



80.1672, 0.3550, 0.3788



84.4983, 0.3649, 0.3897



86.1829, 0.3405, 0.3954



18.6064, 0.3274, 0.3469



29.7673, 0.4687, 0.4660



2.7732, 0.4612, 0.4720



# Inverse Universe

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



57.1176, 0.2701, 0.2737



55.3629, 0.2599, 0.2597



52.6479, 0.2797, 0.2580



16.5665, 0.2979, 0.3104



5.3733, 0.1573, 0.0864

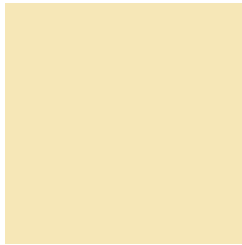


0.6249, 0.1637, 0.1092



# Previews

## White Background



This preview shows how the Yxy color 80.1636, 0.3550, 0.3788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

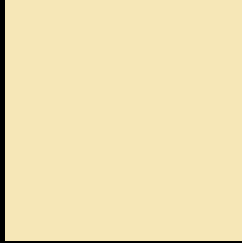
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.1636, 0.3550, 0.3788 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

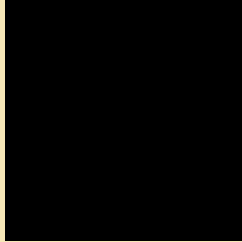
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.1636, 0.3550, 0.3788**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1636, 0.3550, 0.3788.

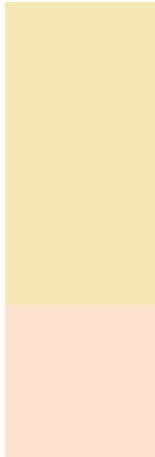


This preview shows how white text looks on a background with the Yxy color 80.1636, 0.3550, 0.3788.

# 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

80.1636, 0.3550, 0.3788

### Protanopia

80.1636, 0.3550, 0.3788

### Deuteranopia

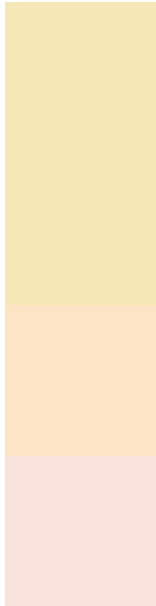
80.0605, 0.3477, 0.3503



## Tritanopia

80.0089, 0.3220, 0.3112

# Trichromacy



## Original Color

80.1636, 0.3550, 0.3788

## Protanomaly

80.1636, 0.3550, 0.3788

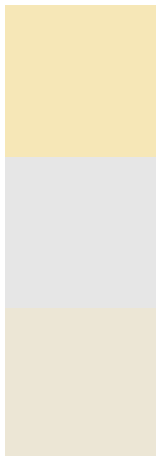
## Deuteranomaly

80.2135, 0.3506, 0.3607

## Tritanomaly

79.8840, 0.3337, 0.3351

# Monochromacy



## Original Color

80.1636, 0.3550, 0.3788

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

79.2306, 0.3279, 0.3469

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1636, 0.3550, 0.3788 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(246, 231, 183)` looks like.

```
.text, #text, p{  
    color:rgb(246, 231, 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(246, 231, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 231, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1636, 0.3550, 0.3788 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(246, 231, 183) }
```

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

```
.border{ border-color:rgb(246, 231, 183) }
```

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

Here you see how a box with a 4 pixel rgb(246, 231, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 231, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 231, 183);  
box-shadow:4px 4px 4px 4px rgb(246, 231,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1636, 0.3550, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 231, 183) }
```

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

```
.background{ background-color: rgb(246,  
231, 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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