

Converting Colors

$Y_{xy}(81.1389, 0.3835, 0.4010)$

Have a look what the booklet for
Yxy(81.1389, 0.3835, 0.4010)
contains.

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Color

Yxy(80.2879, 0.3794, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	FFE69D
RGB	255, 230, 157
RGB Percent	100%, 90%, 62%
CMY	0.0000, 0.0980, 0.3843
CMYK	0.00, 0.10, 0.38, 0.00
HSL	45°, 100%, 81%
HSV	45°, 38%, 100%
XYZ	75.6237, 80.2879, 43.4129
YIQ	229.1530, 38.3330, -17.4030

Conversions

Conversions Part 2

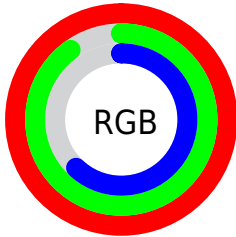
Format	Color
RYB	191, 255, 157
Decimal	16770717
CIELab	91.81, -1.40, 38.68
CIELCh	92, 38.709, 92.072
Yxy	80.2879, 0.3794, 0.4028
Android (android.graphics.Color)	4294960797 (0xFFFFE69D)
YUV	229.1530, -35.5714, 22.6678
Hunter-Lab	89.6035, -6.1555, 33.9965

Details

The Yxy color **80.2879, 0.3794, 0.4028** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.8468, 0.2461, 0.2419**, and the grayscale version is **78.7212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **43.5502, 0.3931, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **75.9559, 0.3986, 0.4211**, and if you desaturate by 10%, it is **84.9433, 0.3606, 0.3834**.

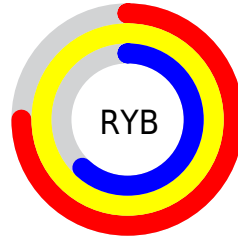
Distribution



Red (100%)

Green (90%)

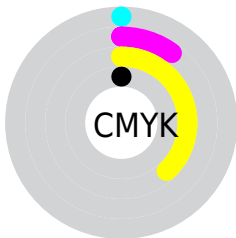
Blue (62%)



Red (75%)

Yellow (100%)

Blue (62%)

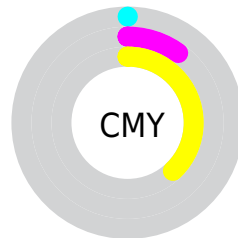


Cyan (0%)

Magenta (10%)

Yellow (38%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2879, 0.3794, 0.4028 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 80.2879, 0.3794, 0.4028 by changing the saturation by 10% instead.


 80.2879, 0.3794,
0.4028

 80.2879, 0.3794,
0.4028


495.9025, 0.3497,
0.3697

 59.9553, 0.3858,
0.4099

 133.7704, 0.3694,
0.3916

 43.3826, 0.3934,
0.4185


 167.6891, 0.3654,
0.3872

 30.1854, 0.4027,
0.4290


206.9053, 0.3620,
0.3833

 19.9794, 0.4140,
0.4419

251.8034, 0.3589,
0.3799

 12.3801, 0.4279,
0.4579

302.7678, 0.3562,
0.3770

 7.0031, 0.4447,
0.4775

360.1829, 0.3538,

 3.4640, 0.4808,

0.3743

0.5192

424.4330, 0.3516,
0.3719

■ 1.3785, 0.4785,
0.5215

■ 0.2008, 0.4383,
0.5617

■ 80.2879, 0.3794,
0.4028

■ 80.2879, 0.3794,
0.4028

■ 75.9559, 0.3986,
0.4211

■ 84.9433, 0.3606,
0.3834

■ 71.9247, 0.4174,
0.4373

■ 89.9241, 0.3426,
0.3638

■ 68.1833, 0.4350,
0.4502

■ 95.2446, 0.3258,
0.3446

■ 64.7158, 0.4505,
0.4590

100.0000, 0.3127,
0.3290

■ 61.5036, 0.4632,
0.4629

■ 58.5212, 0.4728,
0.4620

■ 58.0679, 0.4742,
0.4617

Harmonies

Analogous

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



80.2879, 0.4011, 0.3763



80.2879, 0.3794, 0.4028



80.2879, 0.3404, 0.4102

Triad

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



80.2879, 0.3794, 0.4028



80.2879, 0.2345, 0.3073



80.2879, 0.3253, 0.2766

Complementary

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



80.2879, 0.3794, 0.4028



47.8468, 0.2461, 0.2419

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.



80.2879, 0.2807, 0.2594



80.2879, 0.3794, 0.4028



80.2879, 0.2311, 0.2739

Square

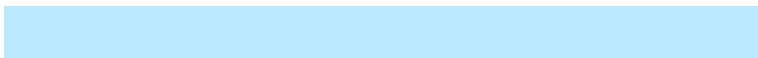
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2879, 0.3794, 0.4028



80.2879, 0.2573, 0.3514



80.2879, 0.2473, 0.2578



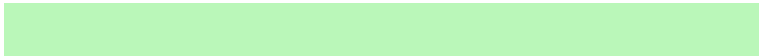
80.2879, 0.3692, 0.3056

Rectangle

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



80.2879, 0.3794, 0.4028



80.2879, 0.3104, 0.4005



80.2879, 0.2473, 0.2578



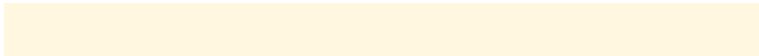
80.2879, 0.3098, 0.2693

Sweetspot

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



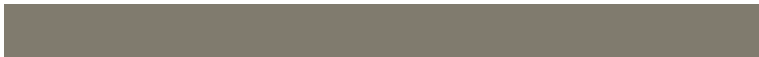
80.2912, 0.3794, 0.4028



93.3043, 0.3317, 0.3514



48.8019, 0.3826, 0.3018



19.8214, 0.3338, 0.3539



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

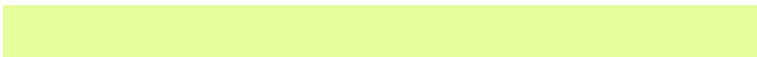
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2912, 0.3794, 0.4028



76.9799, 0.3939, 0.4168



91.1332, 0.3549, 0.4302



20.2601, 0.3276, 0.3466



30.5941, 0.4731, 0.4626



3.1540, 0.4656, 0.4685

Inverse Universe

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



47.8468, 0.2461, 0.2419



40.4629, 0.2317, 0.2210



41.0254, 0.2575, 0.2161



18.1307, 0.2979, 0.3108



5.9511, 0.1582, 0.0895



0.7457, 0.1640, 0.1104

Previews

White Background



This preview shows how the Yxy color 80.2879, 0.3794, 0.4028 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 80.2879, 0.3794, 0.4028 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 80.2879, 0.3794, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 80.2879, 0.3794, 0.4028.



This preview shows how white text looks on a background with the Yxy color 80.2879, 0.3794, 0.4028.

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

80.2879, 0.3794, 0.4028

Protanopia

80.1297, 0.3754, 0.4036

Deuteranopia

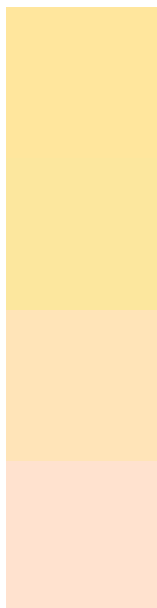
80.3683, 0.3509, 0.3564



Tritanopia

80.0335, 0.3274, 0.3172

Trichromacy



Original Color

80.2879, 0.3794, 0.4028

Protanomaly

80.3159, 0.3761, 0.4034

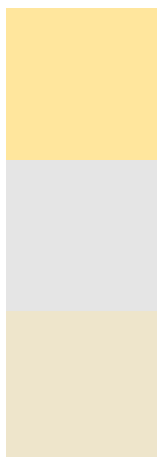
Deuteranomaly

80.2075, 0.3618, 0.3738

Tritanomaly

80.1577, 0.3463, 0.3483

Monochromacy



Original Color

80.2879, 0.3794, 0.4028

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.5276, 0.3361, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2879, 0.3794, 0.4028 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, 230, 157)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 157)  
}
```

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, 230, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 157) }
```

Border

The CSS property to change the border of an element to Yxy 80.2879, 0.3794, 0.4028 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, 230, 157) }
```

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

```
.border{ border-color:rgb(255, 230, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 157);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2879, 0.3794, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 157) }
```

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

```
.background{ background-color: rgb(255,  
230, 157) }
```

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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