

Converting Colors

$Y_{xy}(100.0000, 0.4404, 0.3879)$

Have a look what the booklet for
Yxy(100.0000, 0.4404, 0.3879)
contains.

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Color

Yxy(80.2202, 0.3807, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	FFE69B
RGB	255, 230, 155
RGB Percent	100%, 90%, 61%
CMY	0.0001, 0.0980, 0.3922
CMYK	0.00, 0.10, 0.39, 0.00
HSL	45°, 100%, 80%
HSV	45°, 39%, 100%
XYZ	75.4442, 80.2202, 42.5080
YIQ	228.9250, 38.9750, -18.0250

Conversions

Conversions Part 2

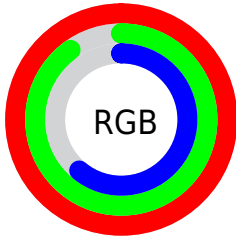
Format	Color
RYB	188, 255, 155
Decimal	16770715
CIELab	91.78, -1.64, 39.66
CIELCh	92, 39.695, 92.362
Yxy	80.2202, 0.3807, 0.4048
Android (android.graphics.Color)	4294960795 (0xFFFFE69B)
YUV	228.9250, -36.4450, 22.8678
Hunter-Lab	89.5657, -6.3834, 34.5569

Details

The Yxy color **80.2202, 0.3807, 0.4048** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **46.8010, 0.2445, 0.2391**, and the grayscale version is **78.5471, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **43.5095, 0.3946, 0.4208** is the 20% darker color. If you saturate the color by 10%, you get **75.9781, 0.3997, 0.4231**, and if you desaturate by 10%, it is **84.7799, 0.3619, 0.3854**.

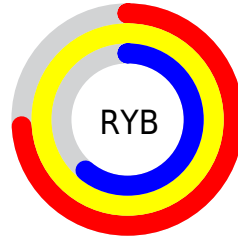
Distribution



Red (100%)

Green (90%)

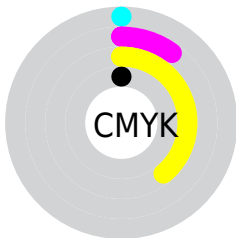
Blue (61%)



Red (74%)

Yellow (100%)

Blue (61%)

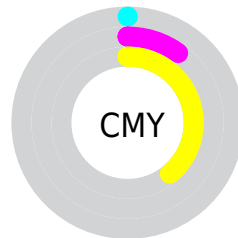


Cyan (0%)

Magenta (10%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (10%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2202, 0.3807, 0.4048 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 80.2202, 0.3807, 0.4048 by changing the saturation by 10% instead.

 80.2202, 0.3807,
0.4048


 80.2202, 0.3807,
0.4048


495.6746, 0.3505,
0.3709

 59.8996, 0.3872,
0.4121

 133.6753, 0.3705,
0.3933

 43.3377, 0.3949,
0.4209


 167.5785, 0.3665,
0.3888

 30.1502, 0.4042,
0.4316

206.7781, 0.3630,
0.3848

 19.9526, 0.4156,
0.4447

251.6584, 0.3598,
0.3813

 12.3606, 0.4296,
0.4610

302.6038, 0.3571,
0.3783

 6.9898, 0.4462,
0.4808

359.9987, 0.3546,

 3.4557, 0.4797,

0.3755

0.5203

424.2275, 0.3525,
0.3731

■ 1.3740, 0.4770,
0.5230

■ 0.1975, 0.4280,
0.5720

■ 80.2202, 0.3807,
0.4048

■ 80.2202, 0.3807,
0.4048

■ 75.9781, 0.3997,
0.4231

■ 84.7799, 0.3619,
0.3854

■ 72.0296, 0.4183,
0.4391

■ 89.6579, 0.3439,
0.3656

■ 68.3642, 0.4356,
0.4519

■ 94.8688, 0.3271,
0.3462

■ 64.9659, 0.4507,
0.4604

99.9948, 0.3127,
0.3290

■ 61.8160, 0.4629,
0.4640

■ 58.8869, 0.4721,
0.4629

■ 58.6644, 0.4728,
0.4628

Harmonies

Analogous

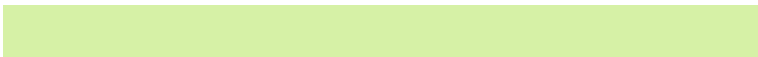
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2202, 0.4033, 0.3776



80.2202, 0.3807, 0.4048



80.2202, 0.3405, 0.4123

Triad

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



80.2202, 0.3807, 0.4048



80.2202, 0.2325, 0.3062



80.2202, 0.3260, 0.2756

Complementary

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



80.2202, 0.3807, 0.4048



46.8010, 0.2445, 0.2391

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.



80.2202, 0.2803, 0.2579



80.2202, 0.3807, 0.4048



80.2202, 0.2292, 0.2722

Square

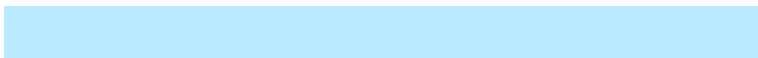
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2202, 0.3807, 0.4048



80.2202, 0.2556, 0.3515



80.2202, 0.2459, 0.2560



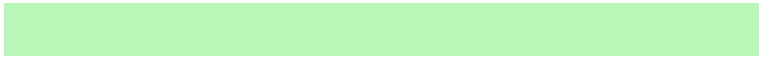
80.2202, 0.3710, 0.3053

Rectangle

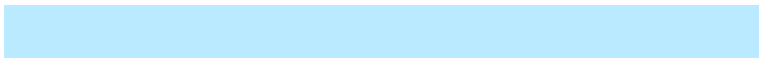
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.2202, 0.3807, 0.4048



80.2202, 0.3098, 0.4022



80.2202, 0.2459, 0.2560



80.2202, 0.3101, 0.2681

Sweetspot

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



80.2239, 0.3807, 0.4048



93.4074, 0.3316, 0.3515



47.9851, 0.3863, 0.3030



19.8458, 0.3338, 0.3541



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

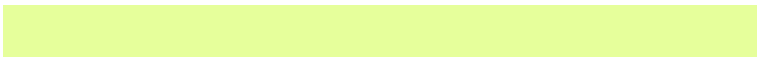
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2239, 0.3807, 0.4048



76.9120, 0.3955, 0.4192



90.6872, 0.3545, 0.4327



20.2777, 0.3275, 0.3467



30.9101, 0.4717, 0.4636



3.1825, 0.4644, 0.4694

Inverse Universe

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



46.8010, 0.2445, 0.2391



39.3157, 0.2296, 0.2174



40.3547, 0.2574, 0.2138



18.1142, 0.2979, 0.3106



5.8645, 0.1579, 0.0884



0.7353, 0.1637, 0.1092

Previews

White Background



This preview shows how the Yxy color 80.2202, 0.3807, 0.4048 looks on a white background.

Color Contrast Check

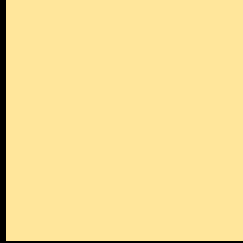
Large Text (above 18pt) WCAG AA × Fail

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 80.2202, 0.3807, 0.4048 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 80.2202, 0.3807, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 80.2202, 0.3807, 0.4048.

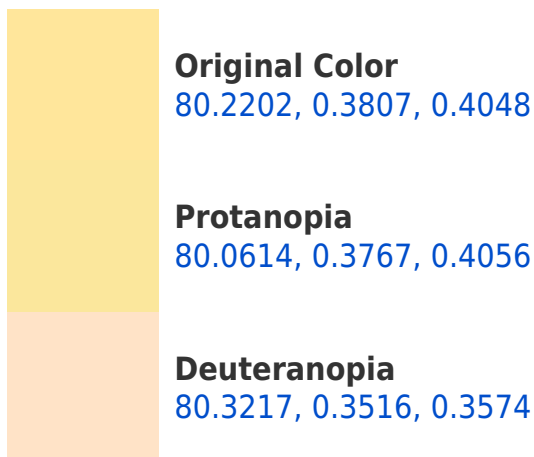


This preview shows how white text looks on a background with the Yxy color 80.2202, 0.3807, 0.4048.

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

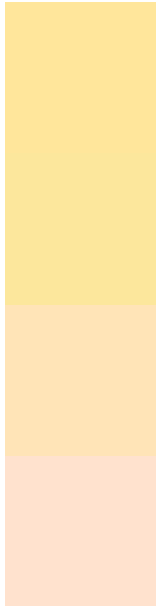




Tritanopia

80.0335, 0.3274, 0.3172

Trichromacy



Original Color

80.2202, 0.3807, 0.4048

Protanomaly

80.2476, 0.3774, 0.4053

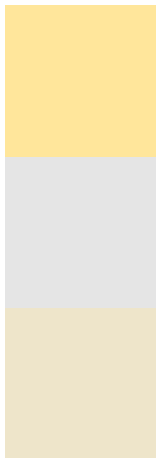
Deuteranomaly

80.1657, 0.3625, 0.3748

Tritanomaly

80.1089, 0.3470, 0.3493

Monochromacy



Original Color

80.2202, 0.3807, 0.4048

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.4800, 0.3368, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2202, 0.3807, 0.4048 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 155) }
```

Border

The CSS property to change the border of an element to Yxy 80.2202, 0.3807, 0.4048 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, 155) }
```

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

```
.border{ border-color:rgb(255, 230, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2202, 0.3807, 0.4048 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, 155) }
```

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

```
.background{ background-color: rgb(255,  
230, 155) }
```

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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