

Converting Colors

$Y_{xy}(80.1772, 0.3820, 0.4067)$

Have a look what the booklet for
Yxy(80.1772, 0.3820, 0.4067)
contains.

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Color

Yxy(80.1535, 0.3820, 0.4067)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFE699 |
| RGB | 255, 230, 153 |
| RGB Percent | 100%, 90%, 60% |
| CMY | 0.0000, 0.0980, 0.4000 |
| CMYK | 0.00, 0.10, 0.40, 0.00 |
| HSL | 45°, 100%, 80% |
| HSV | 45°, 40%, 100% |
| XYZ | 75.2856, 80.1535, 41.6436 |
| YIQ | 228.6970, 39.6170, -18.6470 |

Conversions

Conversions Part 2

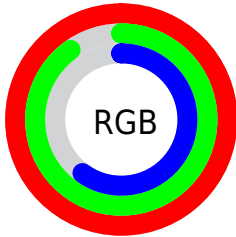
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 186, 255, 153 |
| Decimal | 16770713 |
| CIE _{Lab} | 91.75, -1.83, 40.61 |
| CIE _{LCh} | 92, 40.648, 92.583 |
| Yxy | 80.1535, 0.3820, 0.4067 |
| Android (android.graphics.Color) | 4294960793 (0xFFFFE699) |
| YUV | 228.6970, -37.3186, 23.0677 |
| Hunter-Lab | 89.5285, -6.5721, 35.0916 |

Details

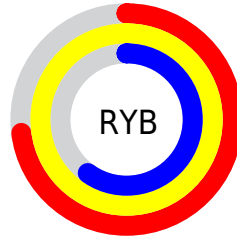
The Yxy color **80.1535, 0.3820, 0.4067** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.8324, 0.2429, 0.2364**, and the grayscale version is **78.3802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **43.4698, 0.3962, 0.4231** is the 20% darker color. If you saturate the color by 10%, you get **75.9872, 0.4009, 0.4249**, and if you desaturate by 10%, it is **84.6319, 0.3633, 0.3872**.

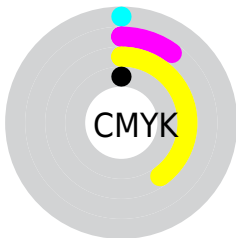
Distribution



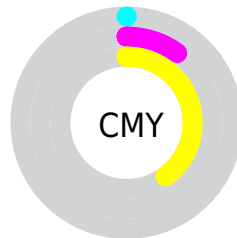
- Red (100%)
- Green (90%)
- Blue (60%)



- Red (73%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (10%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1535, 0.3820, 0.4067 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 80.1535, 0.3820, 0.4067 by changing the saturation by 10% instead.


 80.1535, 0.3820,
0.4067


 80.1535, 0.3820,
0.4067


495.4500, 0.3512,
0.3719

 59.8447, 0.3886,
0.4142


 133.5815, 0.3717,
0.3950

 43.2935, 0.3964,
0.4232


 167.4695, 0.3676,
0.3903

 30.1154, 0.4058,
0.4341

206.6527, 0.3640,
0.3862

 19.9262, 0.4173,
0.4474

251.5154, 0.3608,
0.3827

 12.3414, 0.4312,
0.4639

302.4421, 0.3580,
0.3795

 6.9766, 0.4477,
0.4838

359.8172, 0.3555,

 3.4475, 0.4788,

0.3767

0.5212

424.0250, 0.3533,
0.3742

■ 1.3696, 0.4757,
0.5243

■ 0.1941, 0.4186,
0.5814

■ 80.1535, 0.3820,
0.4067

■ 80.1535, 0.3820,
0.4067

■ 75.9872, 0.4009,
0.4249

■ 84.6319, 0.3633,
0.3872

■ 72.1091, 0.4193,
0.4409

■ 89.4230, 0.3452,
0.3674

■ 68.5085, 0.4362,
0.4534

■ 94.5416, 0.3283,
0.3478

■ 65.1694, 0.4509,
0.4615

99.9974, 0.3127,
0.3290

■ 62.0728, 0.4627, 99.9989, 0.3127,
0.4648 0.3290

■ 59.1885, 0.4716,
0.4637

■ 59.1870, 0.4717,
0.4637

Harmonies

Analogous

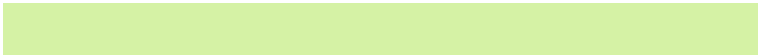
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1535, 0.4054, 0.3788



80.1535, 0.3820, 0.4067



80.1535, 0.3408, 0.4144

Triad

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



80.1535, 0.3820, 0.4067



80.1535, 0.2306, 0.3052



80.1535, 0.3267, 0.2746

Complementary

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



80.1535, 0.3820, 0.4067



45.8324, 0.2429, 0.2364

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.



80.1535, 0.2798, 0.2564



80.1535, 0.3820, 0.4067



80.1535, 0.2274, 0.2707

Square

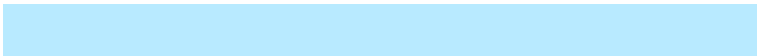
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1535, 0.3820, 0.4067



80.1535, 0.2540, 0.3517



80.1535, 0.2446, 0.2543



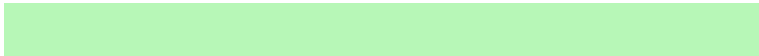
80.1535, 0.3727, 0.3050

Rectangle

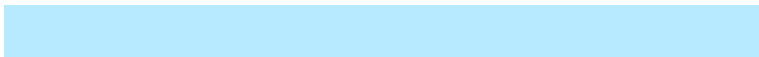
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1535, 0.3820, 0.4067



80.1535, 0.3093, 0.4040



80.1535, 0.2446, 0.2543



80.1535, 0.3104, 0.2669

Sweetspot

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



80.1572, 0.3820, 0.4067



93.4931, 0.3316, 0.3517



47.2794, 0.3884, 0.3025



19.8661, 0.3338, 0.3542



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

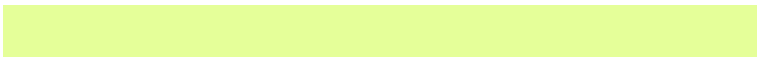
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1572, 0.3820, 0.4067



76.7991, 0.3972, 0.4214



90.5567, 0.3552, 0.4348



20.2924, 0.3275, 0.3468



31.1747, 0.4706, 0.4645



3.2063, 0.4635, 0.4702

Inverse Universe

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



45.8324, 0.2429, 0.2364



38.2225, 0.2276, 0.2138



39.5304, 0.2560, 0.2112



18.1004, 0.2979, 0.3105



5.7942, 0.1576, 0.0875



0.7267, 0.1634, 0.1081

Previews

White Background



This preview shows how the Yxy color 80.1535, 0.3820, 0.4067 looks on a white background.

Color Contrast Check

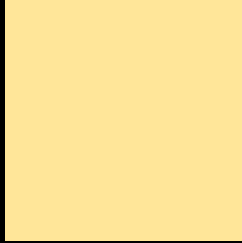
Large Text (above 18pt) WCAG AA × Fail

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 80.1535, 0.3820, 0.4067 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 80.1535, 0.3820, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 80.1535, 0.3820, 0.4067.



This preview shows how white text looks on a background with the Yxy color 80.1535, 0.3820, 0.4067.

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

80.1535, 0.3820, 0.4067

Protanopia

79.9942, 0.3780, 0.4075

Deuteranopia

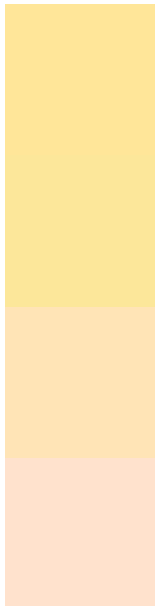
80.3217, 0.3516, 0.3574



Tritanopia

80.0335, 0.3274, 0.3172

Trichromacy



Original Color

80.1535, 0.3820, 0.4067

Protanomaly

80.1804, 0.3787, 0.4073

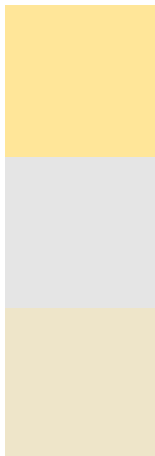
Deuteranomaly

80.1242, 0.3632, 0.3758

Tritanomaly

80.0605, 0.3477, 0.3503

Monochromacy



Original Color

80.1535, 0.3820, 0.4067

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

78.4328, 0.3375, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1535, 0.3820, 0.4067 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 153) }
```

Border

The CSS property to change the border of an element to Yxy 80.1535, 0.3820, 0.4067 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, 153) }
```

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

```
.border{ border-color:rgb(255, 230, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1535, 0.3820, 0.4067 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, 153) }
```

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

```
.background{ background-color: rgb(255,  
230, 153) }
```

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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