

Converting Colors

Yxy(80.3153, 0.3803, 0.4044)

Have a look what the booklet for
Yxy(80.3153, 0.3803, 0.4044)
contains.

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Color

Yxy(80.2539, 0.3801, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	FFE69C
RGB	255, 230, 156
RGB Percent	100%, 90%, 61%
CMY	0.0000, 0.0980, 0.3883
CMYK	0.00, 0.10, 0.39, 0.00
HSL	45°, 100%, 81%
HSV	45°, 39%, 100%
XYZ	75.5436, 80.2539, 42.9492
YIQ	229.0390, 38.6540, -17.7140

Conversions

Conversions Part 2

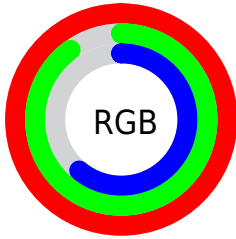
Format	Color
R _Y B	189, 255, 156
Decimal	16770716
CIE Lab	91.80, -1.50, 39.18
CIE LCh	92, 39.212, 92.189
Yxy	80.2539, 0.3801, 0.4038
Android (android.graphics.Color)	4294960796 (0xFFFFE69C)
YUV	229.0390, -36.0082, 22.7678
Hunter-Lab	89.5845, -6.2500, 34.2840

Details

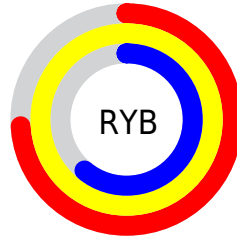
The Yxy color **80.2539, 0.3801, 0.4038** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.3235, 0.2453, 0.2405**, and the grayscale version is **78.6297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **43.5297, 0.3939, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **75.9596, 0.3992, 0.4221**, and if you desaturate by 10%, it is **84.8583, 0.3613, 0.3844**.

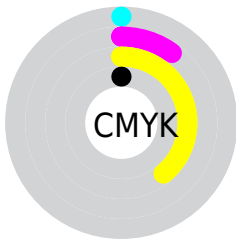
Distribution



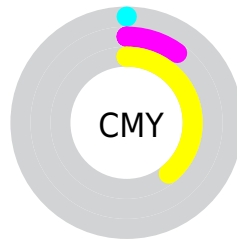
- Red (100%)
- Green (90%)
- Blue (61%)



- 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 80.2539, 0.3801, 0.4038 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 80.2539, 0.3801, 0.4038 by changing the saturation by 10% instead.

 80.2539, 0.3801,
0.4038

 80.2539, 0.3801,
0.4038


495.7881, 0.3501,
0.3703

 59.9273, 0.3865,
0.4110


 133.7226, 0.3700,
0.3925

 43.3600, 0.3942,
0.4197


 167.6336, 0.3660,
0.3880

 30.1677, 0.4035,
0.4303


206.8414, 0.3625,
0.3841

 19.9659, 0.4149,
0.4433

251.7306, 0.3594,
0.3806

 12.3703, 0.4288,
0.4594

302.6854, 0.3567,
0.3776

 6.9964, 0.4456,
0.4791

360.0904, 0.3543,

 3.4598, 0.4804,

0.3749

0.5196

424.3298, 0.3521,
0.3725

■ 1.3763, 0.4779,
0.5221

■ 0.1991, 0.4340,
0.5660

■ 80.2539, 0.3801,
0.4038

■ 80.2539, 0.3801,
0.4038

■ 75.9596, 0.3992,
0.4221

■ 84.8583, 0.3613,
0.3844

■ 71.9680, 0.4179,
0.4382

■ 89.7899, 0.3433,
0.3647

■ 68.2630, 0.4353,
0.4511

■ 95.0581, 0.3265,
0.3454

■ 64.8287, 0.4506,
0.4597

100.0000, 0.3127,
0.3290

■ 61.6463, 0.4631,
0.4634

■ 58.6894, 0.4725,
0.4624

■ 58.3553, 0.4735,
0.4622

Harmonies

Analogous

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



80.2539, 0.4022, 0.3769



80.2539, 0.3801, 0.4038



80.2539, 0.3405, 0.4113

Triad

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



80.2539, 0.3801, 0.4038



80.2539, 0.2335, 0.3068



80.2539, 0.3256, 0.2760

Complementary

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



80.2539, 0.3801, 0.4038



47.3235, 0.2453, 0.2405

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.



80.2539, 0.2805, 0.2586



80.2539, 0.3801, 0.4038



80.2539, 0.2301, 0.2731

Square

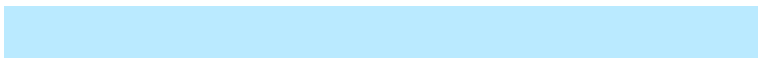
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.2539, 0.3801, 0.4038



80.2539, 0.2565, 0.3515



80.2539, 0.2465, 0.2569



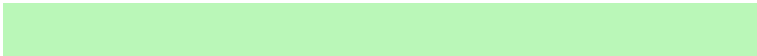
80.2539, 0.3701, 0.3054

Rectangle

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



80.2539, 0.3801, 0.4038



80.2539, 0.3102, 0.4014



80.2539, 0.2465, 0.2569



80.2539, 0.3099, 0.2687

Sweetspot

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



80.2521, 0.3801, 0.4038



93.3529, 0.3316, 0.3514



48.4216, 0.3836, 0.3015



19.8329, 0.3338, 0.3540



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.



80.2521, 0.3801, 0.4038



76.7237, 0.3957, 0.4189



91.0575, 0.3553, 0.4313



20.2684, 0.3275, 0.3467



30.7428, 0.4725, 0.4631



3.1674, 0.4650, 0.4689

Inverse Universe

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



47.3235, 0.2453, 0.2405



39.4416, 0.2297, 0.2178



40.5817, 0.2568, 0.2147



18.1229, 0.2979, 0.3107



5.9100, 0.1581, 0.0890



0.7407, 0.1639, 0.1098

Previews

White Background



This preview shows how the Yxy color 80.2539, 0.3801, 0.4038 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 80.2539, 0.3801, 0.4038 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 80.2539, 0.3801, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 80.2539, 0.3801, 0.4038.

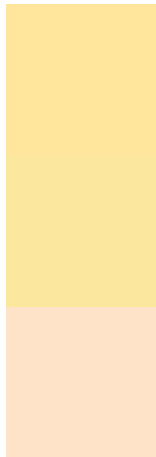


This preview shows how white text looks on a background with the Yxy color 80.2539, 0.3801, 0.4038.

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

80.2539, 0.3801, 0.4038

Protanopia

80.0954, 0.3760, 0.4046

Deuteranopia

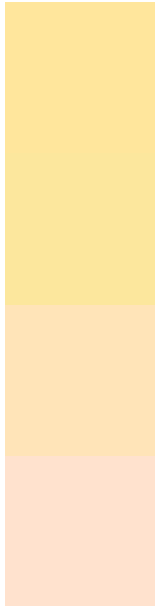
80.3683, 0.3509, 0.3564



Tritanopia

80.0335, 0.3274, 0.3172

Trichromacy



Original Color

80.2539, 0.3801, 0.4038

Protanomaly

80.2816, 0.3768, 0.4044

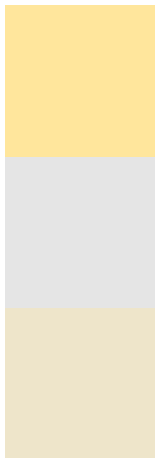
Deuteranomaly

80.2075, 0.3618, 0.3738

Tritanomaly

80.1089, 0.3470, 0.3493

Monochromacy



Original Color

80.2539, 0.3801, 0.4038

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 80.2539, 0.3801, 0.4038 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 156) }
```

Border

The CSS property to change the border of an element to Yxy 80.2539, 0.3801, 0.4038 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, 156) }
```

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

```
.border{ border-color:rgb(255, 230, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2539, 0.3801, 0.4038 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, 156) }
```

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

```
.background{ background-color: rgb(255,  
230, 156) }
```

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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