

Converting Colors

$Y_{xy}(91.0275, 0.4131, 0.3967)$

Have a look what the booklet for
Yxy(91.0275, 0.4131, 0.3967)
contains.

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Color

Yxy(81.3398, 0.3800, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	FFE89B
RGB	255, 232, 155
RGB Percent	100%, 91%, 61%
CMY	0.0000, 0.0902, 0.3923
CMYK	0.00, 0.09, 0.39, 0.00
HSL	46°, 100%, 80%
HSV	46°, 39%, 100%
XYZ	76.0185, 81.3398, 42.6904
YIQ	230.0990, 38.4250, -19.0710

Conversions

Conversions Part 2

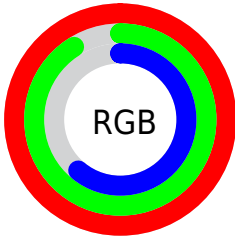
Format	Color
R _Y B	185, 255, 155
Decimal	16771227
CIE Lab	92.28, -2.62, 40.31
CIE LCh	92, 40.397, 93.712
Yxy	81.3398, 0.3800, 0.4066
Android (android.graphics.Color)	4294961307 (0xFFFFE89B)
YUV	230.0990, -37.0238, 21.8382
Hunter-Lab	90.1886, -7.3752, 35.0673

Details

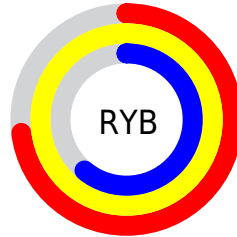
The Yxy color **81.3398, 0.3800, 0.4066** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.0157, 0.2441, 0.2366**, and the grayscale version is **79.4620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **44.2939, 0.3935, 0.4231** is the 20% darker color. If you saturate the color by 10%, you get **77.3240, 0.3985, 0.4253**, and if you desaturate by 10%, it is **85.6437, 0.3615, 0.3867**.

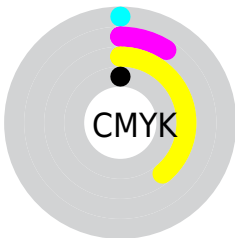
Distribution



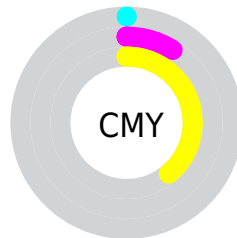
- Red (100%)
- Green (91%)
- Blue (61%)



- Red (73%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (9%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.3398, 0.3800, 0.4066 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 81.3398, 0.3800, 0.4066 by changing the saturation by 10% instead.


 81.3398, 0.3800,
0.4066


 81.3398, 0.3800,
0.4066

499.4367, 0.3502,
0.3719

 60.8215, 0.3863,
0.4141

 135.2478, 0.3700,
0.3949

 44.0811, 0.3939,
0.4231


 169.4063, 0.3660,
0.3902

 30.7343, 0.4030,
0.4340


208.8802, 0.3626,
0.3862

 20.3966, 0.4140,
0.4474

254.0541, 0.3595,
0.3826

 12.6837, 0.4274,
0.4641

305.3123, 0.3568,
0.3795

 7.2111, 0.4433,
0.4844

363.0392, 0.3544,

 3.5945, 0.4753,

0.3767

0.5247

427.6192, 0.3522,
0.3741

■ 1.4494, 0.4711,
0.5289

■ 0.2527, 0.4110,
0.5890

■ 81.3398, 0.3800,
0.4066

■ 81.3398, 0.3800,
0.4066

■ 77.3240, 0.3985,
0.4253

■ 85.6437, 0.3615,
0.3867

■ 73.5882, 0.4165,
0.4416

■ 90.2516, 0.3438,
0.3665

■ 70.1170, 0.4331,
0.4547

■ 95.1728, 0.3270,
0.3466

■ 66.8947, 0.4474,
0.4635

100.0000, 0.3127,
0.3290

■ 63.9028, 0.4588,
0.4674

■ 61.1141, 0.4673,
0.4668

■ 60.9044, 0.4679,
0.4667

Harmonies

Analogous

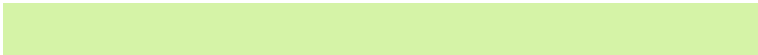
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3398, 0.4039, 0.3796



81.3398, 0.3800, 0.4066



81.3398, 0.3388, 0.4132

Triad

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



81.3398, 0.3800, 0.4066



81.3398, 0.2309, 0.3040



81.3398, 0.3284, 0.2761

Complementary

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



81.3398, 0.3800, 0.4066



46.0157, 0.2441, 0.2366

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.



81.3398, 0.2818, 0.2575



81.3398, 0.3800, 0.4066



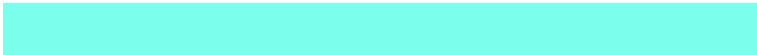
81.3398, 0.2285, 0.2704

Square

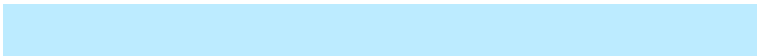
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.3398, 0.3800, 0.4066



81.3398, 0.2534, 0.3496



81.3398, 0.2463, 0.2548



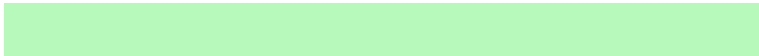
81.3398, 0.3735, 0.3065

Rectangle

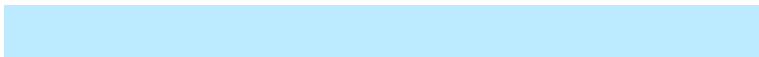
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.3398, 0.3800, 0.4066



81.3398, 0.3077, 0.4021



81.3398, 0.2463, 0.2548



81.3398, 0.3122, 0.2683

Sweetspot

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



81.3383, 0.3800, 0.4066



93.7760, 0.3316, 0.3521



47.9202, 0.3880, 0.3047



19.9329, 0.3337, 0.3547



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

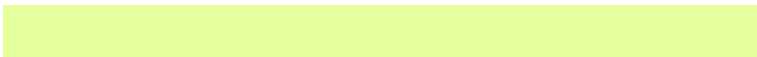
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.3383, 0.3800, 0.4066



78.1933, 0.3944, 0.4213



90.4329, 0.3534, 0.4332



20.3407, 0.3275, 0.3472



32.0613, 0.4669, 0.4675



3.2859, 0.4604, 0.4727

Inverse Universe

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



46.0157, 0.2441, 0.2366



38.4744, 0.2291, 0.2144



40.5553, 0.2586, 0.2141



18.0553, 0.2979, 0.3101



5.5722, 0.1568, 0.0846



0.6994, 0.1625, 0.1048

Previews

White Background



This preview shows how the Yxy color 81.3398, 0.3800, 0.4066 looks on a white background.

Color Contrast Check

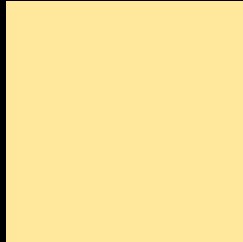
Large Text (above 18pt) WCAG AA × Fail

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 81.3398, 0.3800, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

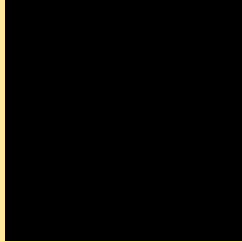
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.3398, 0.3800, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 81.3398, 0.3800, 0.4066.



This preview shows how white text looks on a background with the Yxy color 81.3398, 0.3800, 0.4066.

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

81.3398, 0.3800, 0.4066

Protanopia

81.5270, 0.3781, 0.4079

Deuteranopia

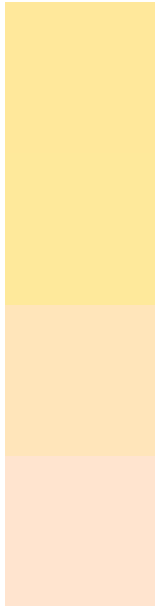
81.0586, 0.3487, 0.3543



Tritanopia

81.2249, 0.3259, 0.3172

Trichromacy



Original Color

81.3398, 0.3800, 0.4066

Protanomaly

81.7152, 0.3788, 0.4077

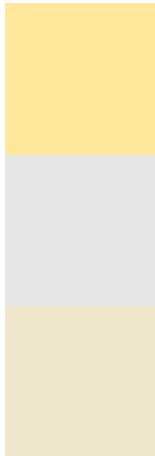
Deuteranomaly

80.8438, 0.3602, 0.3727

Tritanomaly

81.2518, 0.3459, 0.3502

Monochromacy



Original Color

81.3398, 0.3800, 0.4066

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.8143, 0.3365, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3398, 0.3800, 0.4066 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, 232, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 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, 232, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 155) }
```

Border

The CSS property to change the border of an element to Yxy 81.3398, 0.3800, 0.4066 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, 232, 155) }
```

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

```
.border{ border-color:rgb(255, 232, 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, 232, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3398, 0.3800, 0.4066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 155) }
```

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

```
.background{ background-color: rgb(255,  
232, 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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