

Converting Colors

$Yxy(80.3051, 0.4016, 0.4393)$

Have a look what the booklet for
Yxy(80.3051, 0.4016, 0.4393)
contains.

Yxy(80.3051, 0.4016, 0.4393)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.3051, 0.4016, 0.4393)

Conversions

Conversions Part 1

Format	Color
Hex	FFE877
RGB	255, 232, 119
RGB Percent	100%, 91%, 47%
CMY	0.0002, 0.0901, 0.5333
CMYK	0.00, 0.09, 0.53, 0.00
HSL	50°, 100%, 73%
HSV	50°, 53%, 100%
XYZ	73.4134, 80.3051, 29.0839
YIQ	225.9950, 49.9810, -30.2670

Conversions

Conversions Part 2

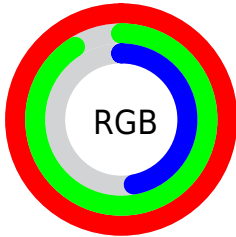
Format	Color
R _Y B	147, 255, 119
Decimal	16771191
CIE Lab	91.82, -5.99, 57.10
CIE LCh	92, 57.409, 95.991
Yxy	80.3051, 0.4016, 0.4393
Android (android.graphics.Color)	4294961271 (0xFFFFE877)
YUV	225.9950, -52.7485, 25.4374
Hunter-Lab	89.6131, -10.5910, 43.4867

Details

The Yxy color **80.3051, 0.4016, 0.4393** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.4651, 0.2148, 0.1854**, and the grayscale version is **76.4098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **43.5734, 0.4176, 0.4610** is the 20% darker color. If you saturate the color by 10%, you get **77.3845, 0.4171, 0.4553**, and if you desaturate by 10%, it is **83.4567, 0.3848, 0.4204**.

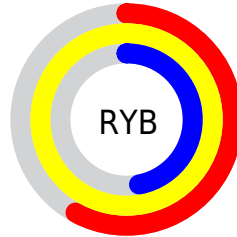
Distribution



Red (100%)

Green (91%)

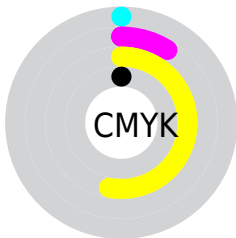
Blue (47%)



Red (58%)

Yellow (100%)

Blue (47%)

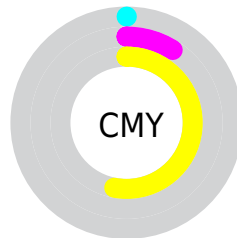


Cyan (0%)

Magenta (9%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3051, 0.4016, 0.4393 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 80.3051, 0.4016, 0.4393 by changing the saturation by 10% instead.

 80.3051, 0.4016,
0.4393

 80.3051, 0.4016,
0.4393

495.9604, 0.3636,
0.3908

 59.9695, 0.4091,
0.4493


 133.7946, 0.3893,
0.4232

 43.3940, 0.4177,
0.4610


 167.7172, 0.3843,
0.4168

 30.1944, 0.4274,
0.4746


 206.9377, 0.3798,
0.4111

 19.9862, 0.4380,
0.4904

251.8403, 0.3758,
0.4060

 12.3850, 0.4488,
0.5080

302.8095, 0.3723,
0.4016

 7.0064, 0.4652,
0.5348

360.2296, 0.3691,

 3.4661, 0.4593,

0.3976

0.5407

424.4852, 0.3662,
0.3940

■ 1.3797, 0.4490,
0.5510

■ 0.2017, 0.1838,
0.8162

■ 80.3051, 0.4016,
0.4393

■ 80.3051, 0.4016,
0.4393

■ 77.3845, 0.4171,
0.4553

■ 83.4567, 0.3848,
0.4204

■ 74.6698, 0.4306,
0.4676


■ 86.8405, 0.3674,
0.3997


■ 72.1487, 0.4415,
0.4753

■ 90.4714, 0.3502,
0.3782

■ 69.8018, 0.4494,
0.4783

■ 94.3599, 0.3335,
0.3567

 68.3135, 0.4533,
0.4783

 98.5156, 0.3177,
0.3358

99.9909, 0.3127,
0.3290

Harmonies

Analogous

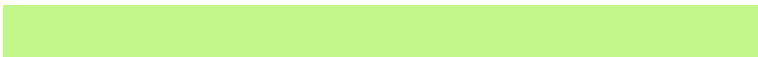
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.3051, 0.4397, 0.3994



80.3051, 0.4016, 0.4393



80.3051, 0.3419, 0.4509

Triad

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



80.3051, 0.4016, 0.4393



80.3051, 0.1986, 0.2866



80.3051, 0.3391, 0.2589

Complementary

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



80.3051, 0.4016, 0.4393



30.4651, 0.2148, 0.1854

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.



80.3051, 0.2728, 0.2326



80.3051, 0.4016, 0.4393



80.3051, 0.1982, 0.2434

Square

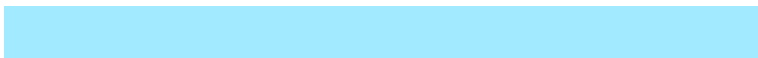
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3051, 0.4016, 0.4393



80.3051, 0.2259, 0.3522



80.3051, 0.2235, 0.2263



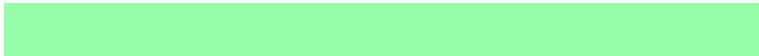
80.3051, 0.4038, 0.3001

Rectangle

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



80.3051, 0.4016, 0.4393



80.3051, 0.2984, 0.4341



80.3051, 0.2235, 0.2263



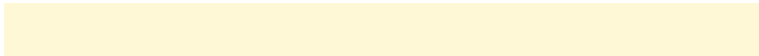
80.3051, 0.3160, 0.2482

Sweetspot

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



80.3089, 0.4016, 0.4393



93.3330, 0.3379, 0.3624



36.4567, 0.4407, 0.3040



19.8042, 0.3413, 0.3669



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

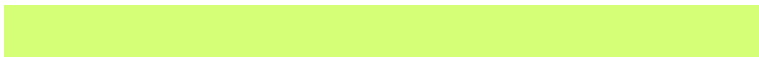
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3089, 0.4016, 0.4393



77.2271, 0.4181, 0.4563



86.8040, 0.3603, 0.4725



20.5385, 0.3273, 0.3486



35.9027, 0.4527, 0.4788



3.6276, 0.4482, 0.4823

Inverse Universe

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



30.4651, 0.2148, 0.1854



22.7564, 0.1948, 0.1524



28.0983, 0.2389, 0.1697



17.8727, 0.2979, 0.3086



4.8195, 0.1541, 0.0746



0.6010, 0.1590, 0.0923

Previews

White Background



This preview shows how the Yxy color 80.3051, 0.4016, 0.4393 looks on a white background.

Color Contrast Check

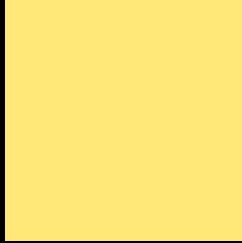
Large Text (above 18pt) WCAG AA × Fail

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 80.3051, 0.4016, 0.4393 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 80.3051, 0.4016, 0.4393

Background



This preview shows how black text looks on a background with the Yxy color 80.3051, 0.4016, 0.4393.



This preview shows how white text looks on a background with the Yxy color 80.3051, 0.4016, 0.4393.

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

80.3051, 0.4016, 0.4393

Protanopia

80.4285, 0.3988, 0.4351

Deuteranopia

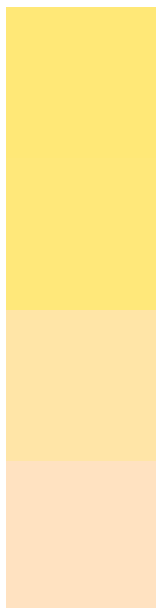
80.1383, 0.3544, 0.3615



Tritanopia

80.0335, 0.3274, 0.3172

Trichromacy



Original Color

80.3051, 0.4016, 0.4393

Protanomaly

80.3784, 0.4000, 0.4368

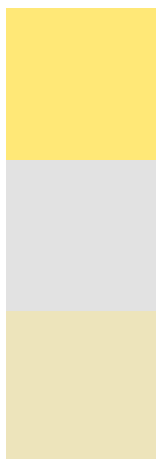
Deuteranomaly

80.0886, 0.3731, 0.3920

Tritanomaly

79.5030, 0.3560, 0.3626

Monochromacy



Original Color

80.3051, 0.4016, 0.4393

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.0792, 0.3464, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3051, 0.4016, 0.4393 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 119) }
```

Border

The CSS property to change the border of an element to Yxy 80.3051, 0.4016, 0.4393 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, 119) }
```

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

```
.border{ border-color:rgb(255, 232, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3051, 0.4016, 0.4393 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, 119) }
```

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

```
.background{ background-color: rgb(255,  
232, 119) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor