

Converting Colors

Yxy(85.4584, 0.4358, 0.4574)

Have a look what the booklet for
Yxy(85.4584, 0.4358, 0.4574)
contains.

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Color

Yxy(80.6997, 0.4185, 0.4681)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA51
RGB	255, 234, 81
RGB Percent	100%, 92%, 32%
CMY	0.0000, 0.0823, 0.6825
CMYK	0.00, 0.08, 0.68, 0.00
HSL	53°, 100%, 66%
HSV	53°, 68%, 100%
XYZ	72.1487, 80.6997, 19.5500
YIQ	222.8370, 61.6290, -43.1310

Conversions

Conversions Part 2

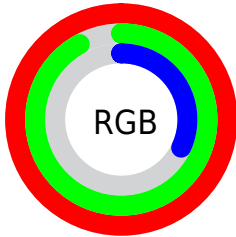
Format	Color
RYB	105, 255, 81
Decimal	16771665
CIELab	92.00, -9.40, 73.37
CIELCh	92, 73.973, 97.301
Yxy	80.6997, 0.4185, 0.4681
Android (android.graphics.Color)	4294961745 (0xFFFEA51)
YUV	222.8370, -69.9256, 28.2070
Hunter-Lab	89.8330, -13.8468, 49.9801

Details

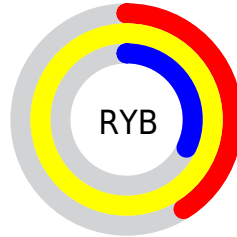
The Yxy color **80.6997, 0.4185, 0.4681** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **18.4617, 0.1851, 0.1305**, and the grayscale version is **74.1419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6150, 0.3809, 0.4417**, and **43.8533, 0.4339, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **78.6526, 0.4291, 0.4787**, and if you desaturate by 10%, it is **82.9258, 0.4054, 0.4533**.

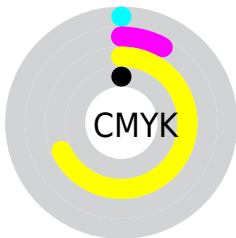
Distribution



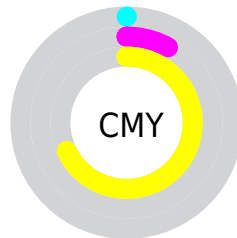
- Red (100%)
- Green (92%)
- Blue (32%)



- Red (41%)
- Yellow (100%)
- Blue (32%)



- Cyan (0%)
- Magenta (8%)
- Yellow (68%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6997, 0.4185, 0.4681 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 80.6997, 0.4185, 0.4681 by changing the saturation by 10% instead.


 80.6997, 0.4185,
0.4681


 80.6997, 0.4185,
0.4681


497.2877, 0.3758,
0.4088


 60.2943, 0.4260,
0.4795


 134.3490, 0.4054,
0.4491


 43.6559, 0.4339,
0.4923


 168.3617, 0.3998,
0.4412

 30.4001, 0.4420,
0.5063


 207.6790, 0.3948,
0.4342

 20.1425, 0.4492,
0.5211

 252.6853, 0.3902,
0.4280

 12.4986, 0.4586,
0.5414

303.7649, 0.3861,
0.4224

 7.0842, 0.4526,
0.5474

361.3022, 0.3823,

 3.5148, 0.4432,

0.4174

0.5568

425.6817, 0.3789,
0.4129

■ 1.4061, 0.4270,
0.5730

■ 0.2212, 0.0000,
1.0000

■ 80.6997, 0.4185,
0.4681

■ 80.6997, 0.4185,
0.4681

■ 78.6526, 0.4291,
0.4787

■ 82.9258, 0.4054,
0.4533

■ 76.7596, 0.4369,
0.4848


■ 85.3379, 0.3905,
0.4350

■ 74.9998, 0.4420,
0.4866

■ 87.9513, 0.3744,
0.4142

■ 74.6998, 0.4427,
0.4867

■ 90.7775, 0.3577,
0.3921

 93.8270, 0.3412,
0.3694

 97.1097, 0.3253,
0.3469

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



80.6997, 0.4709, 0.4144



80.6997, 0.4185, 0.4681



80.6997, 0.3422, 0.4878

Triad

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



80.6997, 0.4185, 0.4681



80.6997, 0.1706, 0.2693



80.6997, 0.3492, 0.2437

Complementary

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



80.6997, 0.4185, 0.4681



18.4617, 0.1851, 0.1305

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.



80.6997, 0.2645, 0.2112



80.6997, 0.4185, 0.4681



80.6997, 0.1722, 0.2191

Square

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



80.6997, 0.4185, 0.4681



80.6997, 0.2007, 0.3533



80.6997, 0.2035, 0.2017



80.6997, 0.4328, 0.2936

Rectangle

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



80.6997, 0.4185, 0.4681



80.6997, 0.2880, 0.4661



80.6997, 0.2035, 0.2017



80.6997, 0.3194, 0.2306

Sweetspot

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



80.7022, 0.4185, 0.4681



93.2769, 0.3441, 0.3733



28.1420, 0.5134, 0.3095



19.7791, 0.3487, 0.3797



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.



80.7022, 0.4185, 0.4681



77.9255, 0.4324, 0.4816



83.2140, 0.3612, 0.5114



20.6945, 0.3272, 0.3497



39.1803, 0.4423, 0.4870



3.9158, 0.4393, 0.4894

Inverse Universe

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



18.4617, 0.1851, 0.1305



12.3208, 0.1654, 0.0951



19.0985, 0.2200, 0.1288



17.7306, 0.2979, 0.3074



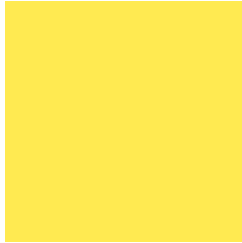
4.3882, 0.1524, 0.0687



0.5343, 0.1565, 0.0835

Previews

White Background



This preview shows how the Yxy color 80.6997, 0.4185, 0.4681 looks on a white background.

Color Contrast Check

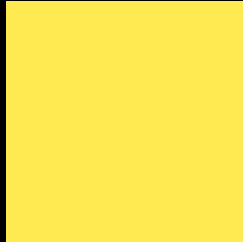
Large Text (above 18pt) WCAG AA × Fail

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 80.6997, 0.4185, 0.4681 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 80.6997, 0.4185, 0.4681

Background



This preview shows how black text looks on a background with the Yxy color 80.6997, 0.4185, 0.4681.



This preview shows how white text looks on a background with the Yxy color 80.6997, 0.4185, 0.4681.

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

80.6997, 0.4185, 0.4681

Protanopia

80.4285, 0.3988, 0.4351

Deuteranopia

80.6418, 0.3549, 0.3635



Tritanopia

80.5118, 0.3280, 0.3191

Trichromacy



Original Color

80.6997, 0.4185, 0.4681

Protanomaly

80.6205, 0.4069, 0.4489

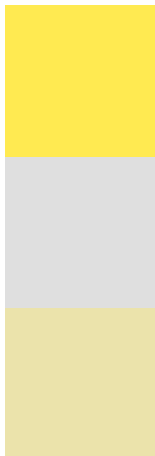
Deuteranomaly

80.1535, 0.3820, 0.4067

Tritanomaly

79.9612, 0.3659, 0.3799

Monochromacy



Original Color

80.6997, 0.4185, 0.4681

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

75.5406, 0.3559, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6997, 0.4185, 0.4681 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, 234, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 81)  
}
```

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, 234, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 81) }
```

Border

The CSS property to change the border of an element to Yxy 80.6997, 0.4185, 0.4681 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, 234, 81) }
```

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

```
.border{ border-color:rgb(255, 234, 81) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 234, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6997, 0.4185, 0.4681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 81) }
```

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

```
.background{ background-color: rgb(255,  
234, 81) }
```

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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