

Converting Colors

Yxy(80.5494, 0.3843, 0.5104)

Have a look what the booklet for
Yxy(80.5494, 0.3843, 0.5104)
contains.

Yxy(80.5494, 0.3843, 0.5104)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.5494, 0.3843, 0.5104)

Conversions

Conversions Part 1

Format	Color
Hex	D2F73C
RGB	210, 247, 60
RGB Percent	82%, 97%, 24%
CMY	0.1766, 0.0313, 0.7649
CMYK	0.15, 0.00, 0.76, 0.03
HSL	72°, 92%, 60%
HSV	72°, 76%, 97%
XYZ	60.6488, 80.5494, 16.6180
YIQ	214.6190, 37.9750, -66.0010

Conversions

Conversions Part 2

Format	Color
RYB	60, 247, 97
Decimal	13825852
CIELab	91.93, -34.76, 79.21
CIELCh	92, 86.498, 113.695
Yxy	80.5494, 0.3843, 0.5104
Android (android.graphics.Color)	4292015932 (0xFFD2F73C)
YUV	214.6190, -76.2272, -4.0509
Hunter-Lab	89.7493, -36.4386, 51.8463

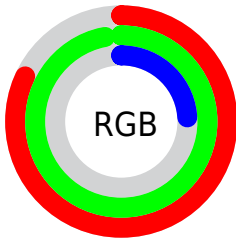
Details

The Yxy color **80.5494, 0.3843, 0.5104** is a light color, and the websafe version is hex **CCFF33**.

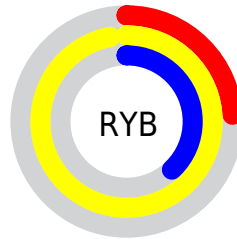
The color can be described as light washed yellow. A complement of this color would be **12.4833, 0.1867, 0.0999**, and the grayscale version is **68.1858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1605, 0.3893, 0.4557**, and **43.8409, 0.3827, 0.5344** is the 20% darker color. If you saturate the color by 10%, you get **79.6433, 0.3859, 0.5229**, and if you desaturate by 10%, it is **81.6064, 0.3800, 0.4933**.

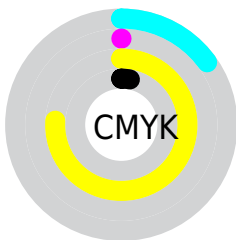
Distribution



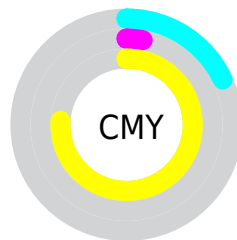
- Red (82%)
- Green (97%)
- Blue (24%)



- Red (24%)
- Yellow (97%)
- Blue (38%)



- Cyan (15%)
- Magenta (0%)
- Yellow (76%)
- Black (3%)





- Cyan (18%)
- Magenta (3%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5494, 0.3843, 0.5104 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 80.5494, 0.3843, 0.5104 by changing the saturation by 10% instead.


 80.5494, 0.3843,
0.5104


 80.5494, 0.3843,
0.5104


496.7824, 0.3598,
0.4288

 60.1706, 0.3871,
0.5270


 134.1379, 0.3780,
0.4835

 43.5561, 0.3890,
0.5462


 168.1163, 0.3749,
0.4725


 30.3217, 0.3891,
0.5681


 207.3967, 0.3719,
0.4629

 20.0829, 0.3857,
0.5929

 252.3635, 0.3691,
0.4545

 12.4553, 0.3774,
0.6226

 303.4011, 0.3665,
0.4469

 7.0546, 0.3535,
0.6465


360.8938, 0.3641,


 3.4962, 0.3169,

0.4402

0.6831

425.2262, 0.3618,
0.4342

 1.3960, 0.2257,
0.7743


 0.2138, 0.0000,
1.0000


 80.5494, 0.3843,
0.5104

 80.5494, 0.3843,
0.5104


 79.6433, 0.3859,
0.5229

 81.6064, 0.3800,
0.4933


 78.8586, 0.3850,
0.5308

 82.8187, 0.3733,
0.4722

 78.5495, 0.3841,
0.5332


 84.2029, 0.3646,
0.4481


 85.7706, 0.3543,
0.4221

 87.5322, 0.3430,
0.3953

 89.4973, 0.3312,
0.3688

 91.6749, 0.3194,
0.3431

 93.9073, 0.3093,
0.3213

 94.8182, 0.3124,
0.3214

Harmonies

Analogous

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



80.5494, 0.4634, 0.4588



80.5494, 0.3843, 0.5104



80.5494, 0.2922, 0.5003

Triad

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



80.5494, 0.3843, 0.5104



80.5494, 0.1489, 0.2223



80.5494, 0.4111, 0.2601

Complementary

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



80.5494, 0.3843, 0.5104



12.4833, 0.1867, 0.0999

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.



80.5494, 0.3072, 0.2126



80.5494, 0.3843, 0.5104



80.5494, 0.1687, 0.1888

Square

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



80.5494, 0.3843, 0.5104



80.5494, 0.1615, 0.2974



80.5494, 0.2212, 0.1875



80.5494, 0.4900, 0.3217

Rectangle

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



80.5494, 0.3843, 0.5104



80.5494, 0.2350, 0.4459



80.5494, 0.2212, 0.1875



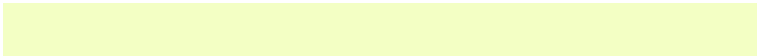
80.5494, 0.3768, 0.2422

Sweetspot

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



80.5530, 0.3843, 0.5104



94.6453, 0.3398, 0.3881



28.1512, 0.5484, 0.3574



20.1015, 0.3440, 0.3978



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.



80.5530, 0.3843, 0.5104



85.1454, 0.3857, 0.5278



70.7899, 0.3253, 0.5520



19.1382, 0.3238, 0.3526



41.5984, 0.3847, 0.5327



3.6973, 0.3893, 0.5291

Inverse Universe

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



12.4833, 0.1867, 0.0999



9.0921, 0.1662, 0.0726



20.6056, 0.2613, 0.1377



16.0846, 0.3010, 0.3047



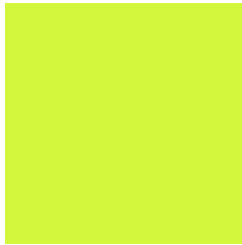
3.9422, 0.1596, 0.0653



0.3875, 0.1706, 0.0714

Previews

White Background



This preview shows how the Yxy color 80.5494, 0.3843, 0.5104 looks on a white background.

Color Contrast Check

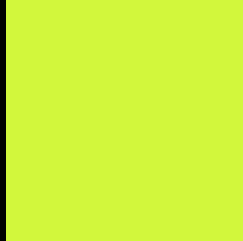
Large Text (above 18pt) WCAG AA × Fail

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 80.5494, 0.3843, 0.5104 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 80.5494, 0.3843, 0.5104

Background



This preview shows how black text looks on a background with the Yxy color 80.5494, 0.3843, 0.5104.

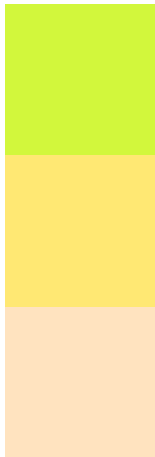


This preview shows how white text looks on a background with the Yxy color 80.5494, 0.3843, 0.5104.

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

80.5494, 0.3843, 0.5104

Protanopia

80.2110, 0.4038, 0.4426

Deuteranopia

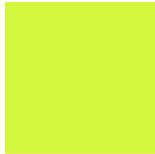
79.9598, 0.3572, 0.3656



Tritanopia

80.0290, 0.3009, 0.3105

Trichromacy



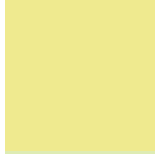
Original Color

80.5494, 0.3843, 0.5104



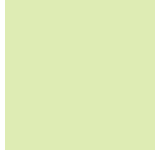
Protanomaly

79.7453, 0.3989, 0.4682



Deuteranomaly

79.1795, 0.3747, 0.4240



Tritanomaly

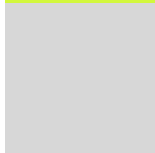
78.8158, 0.3385, 0.3902

Monochromacy



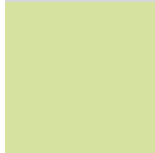
Original Color

80.5494, 0.3843, 0.5104



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.5875, 0.3472, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5494, 0.3843, 0.5104 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(210, 247, 60)` looks like.

```
.text, #text, p{  
    color:rgb(210, 247, 60)  
}
```

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(210, 247, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 247, 60) }
```

Border

The CSS property to change the border of an element to Yxy 80.5494, 0.3843, 0.5104 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(210, 247, 60) }
```

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

```
.border{ border-color:rgb(210, 247, 60) }
```

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

Here you see how a box with a 4 pixel rgb(210, 247, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 247, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 247, 60);  
box-shadow:4px 4px 4px 4px rgb(210, 247,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5494, 0.3843, 0.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 247, 60) }
```

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

```
.background{ background-color: rgb(210,  
247, 60) }
```

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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