

Converting Colors

Yxy(81.4361, 0.3881, 0.5301)

Have a look what the booklet for
Yxy(81.4361, 0.3881, 0.5301)
contains.

Yxy(81.4930, 0.3880, 0.5301)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.4930, 0.3880, 0.5301)

Conversions

Conversions Part 1

Format	Color
Hex	CEFA00
RGB	206, 250, 0
RGB Percent	81%, 98%, 0%
CMY	0.1920, 0.0196, 0.9992
CMYK	0.18, 0.00, 1.00, 0.02
HSL	71°, 100%, 49%
HSV	71°, 100%, 98%
XYZ	59.6478, 81.4930, 12.5906
YIQ	208.3440, 54.0260, -87.0780

Conversions

Conversions Part 2

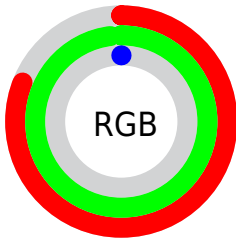
Format	Color
RYB	0, 250, 44
Decimal	13564416
CIELab	92.35, -38.95, 89.37
CIELCh	92, 97.493, 113.549
Yxy	81.4930, 0.3880, 0.5301
Android (android.graphics.Color)	4291754496 (0xFFCEFA00)
YUV	208.3440, -102.7136, -2.0557
Hunter-Lab	90.2735, -40.0355, 54.9222

Details

The Yxy color **81.4930, 0.3880, 0.5301** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.4453, 0.1569, 0.0638**, and the grayscale version is **63.9872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **44.2509, 0.3767, 0.5391** is the 20% darker color. If you saturate the color by 10%, you get **81.4912, 0.3880, 0.5301**, and if you desaturate by 10%, it is **82.2060, 0.3893, 0.5241**.

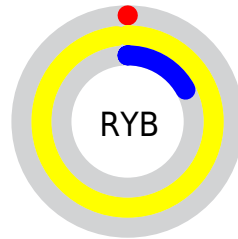
Distribution



Red (81%)

Green (98%)

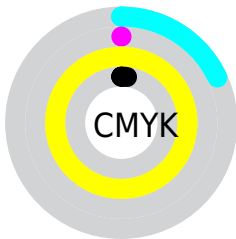
Blue (0%)



Red (0%)

Yellow (98%)

Blue (17%)

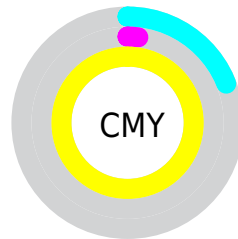


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (19%)

Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.4930, 0.3880, 0.5301 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 81.4930, 0.3880, 0.5301 by changing the saturation by 10% instead.


 81.4930, 0.3880,
0.5301


 81.4930, 0.3880,
0.5301

499.9502, 0.3648,
0.4415


 60.9477, 0.3896,
0.5473


 135.4628, 0.3829,
0.5015


 44.1830, 0.3897,
0.5667


 169.6561, 0.3800,
0.4896

 30.8144, 0.3870,
0.5881


 209.1675, 0.3772,
0.4792

 20.4575, 0.3824,
0.6157

 254.3814, 0.3744,
0.4699

 12.7281, 0.3646,
0.6354

 305.6823, 0.3718,
0.4616

 7.2416, 0.3382,
0.6618


 363.4544, 0.3693,


 3.6136, 0.2980,


0.4542


0.7020

428.0823, 0.3670,
0.4475


 1.4599, 0.1928,
0.8072


 0.2602, 0.0000,
1.0000


 81.4930, 0.3880,
0.5301


 81.4930, 0.3880,
0.5301

 81.4912, 0.3880,
0.5301

 82.2060, 0.3893,
0.5241

 83.0234, 0.3884,
0.5140

 83.9765, 0.3849,
0.4992

 85.0821, 0.3788,
0.4802

■ 86.3545, 0.3704,
0.4576

■ 87.8060, 0.3603,
0.4326

■ 89.4479, 0.3489,
0.4063

■ 91.2902, 0.3369,
0.3798

■ 93.3425, 0.3247,
0.3537

Harmonies

Analogous

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



81.4930, 0.4760, 0.4672



81.4930, 0.3880, 0.5301



81.4930, 0.2874, 0.5249

Triad

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



81.4930, 0.3880, 0.5301



81.4930, 0.1344, 0.2103



81.4930, 0.4220, 0.2522

Complementary

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



81.4930, 0.3880, 0.5301



7.4453, 0.1569, 0.0638

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.



81.4930, 0.3051, 0.2015



81.4930, 0.3880, 0.5301



81.4930, 0.1553, 0.1755

Square

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



81.4930, 0.3880, 0.5301



81.4930, 0.1468, 0.2920



81.4930, 0.2110, 0.1746



81.4930, 0.5107, 0.3178

Rectangle

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



81.4930, 0.3880, 0.5301



81.4930, 0.2251, 0.4629



81.4930, 0.2110, 0.1746



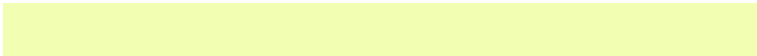
81.4930, 0.3831, 0.2331

Sweetspot

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



81.4967, 0.3880, 0.5301



93.5500, 0.3491, 0.4066



21.9679, 0.6255, 0.3414



19.8632, 0.3540, 0.4178



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.



81.4967, 0.3880, 0.5301



85.2400, 0.3879, 0.5302



70.2298, 0.3160, 0.5872



20.0272, 0.3242, 0.3526



43.2837, 0.3885, 0.5297



4.0480, 0.3924, 0.5266

Inverse Universe

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



7.4453, 0.1569, 0.0638



7.7751, 0.1568, 0.0637



15.0925, 0.2370, 0.1079



16.7898, 0.3006, 0.3047



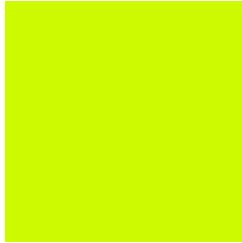
3.9879, 0.1578, 0.0643



0.4087, 0.1676, 0.0697

Previews

White Background



This preview shows how the Yxy color 81.4930, 0.3880, 0.5301 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 81.4930, 0.3880, 0.5301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

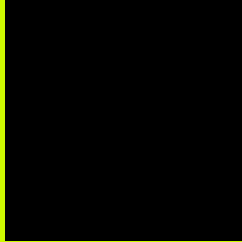
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.4930, 0.3880, 0.5301

Background



This preview shows how black text looks on a background with the Yxy color 81.4930, 0.3880, 0.5301.

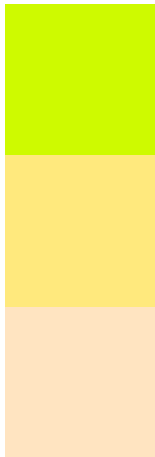


This preview shows how white text looks on a background with the Yxy color 81.4930, 0.3880, 0.5301.

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

81.4930, 0.3880, 0.5301

Protanopia

81.0185, 0.3978, 0.4350

Deuteranopia

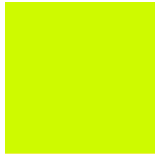
80.5971, 0.3556, 0.3646



Tritanopia

80.8470, 0.2971, 0.3094

Trichromacy



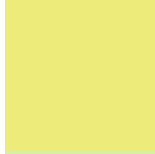
Original Color

81.4930, 0.3880, 0.5301



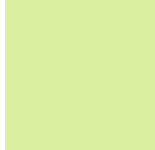
Protanomaly

80.3167, 0.4024, 0.4806



Deuteranomaly

79.4255, 0.3840, 0.4453



Tritanomaly

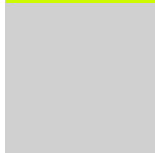
79.3311, 0.3481, 0.4157

Monochromacy



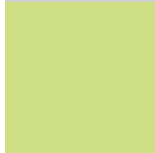
Original Color

81.4930, 0.3880, 0.5301



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.7067, 0.3610, 0.4342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.4930, 0.3880, 0.5301 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(206, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(206, 250, 0)  
}
```

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(206, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 81.4930, 0.3880, 0.5301 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(206, 250, 0) }
```

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

```
.border{ border-color:rgb(206, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(206, 250,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 81.4930, 0.3880, 0.5301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 250, 0) }
```

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

```
.background{ background-color: rgb(206,  
250, 0) }
```

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