

Converting Colors

Yxy(83.4173, 0.3790, 0.5373)

Have a look what the booklet for
Yxy(83.4173, 0.3790, 0.5373)
contains.

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Color

Yxy(83.3903, 0.3788, 0.5374)

Conversions

Conversions Part 1

Format	Color
Hex	C5FF00
RGB	197, 255, 0
RGB Percent	77%, 100%, 0%
CMY	0.2276, 0.0000, 0.9991
CMYK	0.23, 0.00, 1.00, 0.00
HSL	74°, 100%, 50%
HSV	74°, 100%, 100%
XYZ	58.7798, 83.3903, 13.0035
YIQ	208.5880, 47.2870, -91.6010

Conversions

Conversions Part 2

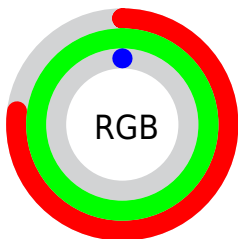
Format	Color
RYB	0, 255, 58
Decimal	12975872
CIELab	93.19, -44.63, 89.76
CIELCh	93, 100.244, 116.440
Yxy	83.3903, 0.3788, 0.5374
Android (android.graphics.Color)	4291165952 (0xFFC5FF00)
YUV	208.5880, -102.8339, -10.1627
Hunter-Lab	91.3183, -44.9101, 55.4800

Details

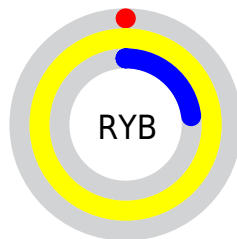
The Yxy color **83.3903, 0.3788, 0.5374** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **8.1329, 0.1610, 0.0661**, and the grayscale version is **64.1479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **45.7065, 0.3657, 0.5478** is the 20% darker color. If you saturate the color by 10%, you get **83.3781, 0.3788, 0.5374**, and if you desaturate by 10%, it is **84.2579, 0.3810, 0.5306**.

Distribution



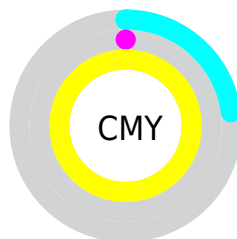
- Red (77%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (23%)



- Cyan (23%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3903, 0.3788, 0.5374 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 83.3903, 0.3788, 0.5374 by changing the saturation by 10% instead.

 83.3903, 0.3788,
0.5374


 83.3903, 0.3788,
0.5374


506.2864, 0.3601,
0.4447


 62.5122, 0.3794,
0.5557


 138.1220, 0.3752,
0.5072


 45.4467, 0.3783,
0.5764


 172.7443, 0.3730,
0.4949


 31.8094, 0.3742,
0.5995


 212.7169, 0.3707,
0.4839

 21.2160, 0.3674,
0.6286

 258.4240, 0.3684,
0.4742

 13.2820, 0.3480,
0.6520

 310.2501, 0.3662,
0.4656

 7.6230, 0.3186,
0.6814

 368.5796, 0.3640,


 3.8547, 0.2746,

0.4579


0.7254


433.7969, 0.3620,
0.4510


 1.5926, 0.1575,
0.8425


 0.3526, 0.0000,
1.0000


 83.3903, 0.3788,
0.5374

 83.3903, 0.3788,
0.5374


 83.3781, 0.3788,
0.5374


 84.2579, 0.3810,
0.5306


 85.2554, 0.3811,
0.5195


 86.4070, 0.3785,
0.5036


 87.7308, 0.3733,
0.4834

 89.2417, 0.3659,
0.4599

 90.9530, 0.3567,
0.4340

 92.8766, 0.3463,
0.4071

 95.0233, 0.3352,
0.3801

 97.4031, 0.3238,
0.3538

Harmonies

Analogous

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



83.3903, 0.4707, 0.4760



83.3903, 0.3788, 0.5374



83.3903, 0.2767, 0.5232

Triad

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



83.3903, 0.3788, 0.5374



83.3903, 0.1324, 0.2029



83.3903, 0.4351, 0.2567

Complementary

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



83.3903, 0.3788, 0.5374



8.1329, 0.1610, 0.0661

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.



83.3903, 0.3158, 0.2035



83.3903, 0.3788, 0.5374



83.3903, 0.1568, 0.1717

Square

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



83.3903, 0.3788, 0.5374



83.3903, 0.1413, 0.2805



83.3903, 0.2168, 0.1738



83.3903, 0.5196, 0.3238

Rectangle

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



83.3903, 0.3788, 0.5374



83.3903, 0.2150, 0.4538



83.3903, 0.2168, 0.1738



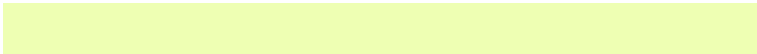
83.3903, 0.3960, 0.2369

Sweetspot

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



83.3858, 0.3788, 0.5374



92.8578, 0.3464, 0.4073



24.0344, 0.6172, 0.3480



19.6963, 0.3509, 0.4188



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.



83.3858, 0.3788, 0.5374



83.3781, 0.3788, 0.5374



72.9144, 0.3116, 0.5907



20.8699, 0.3234, 0.3527



43.6370, 0.3795, 0.5369



4.2973, 0.3842, 0.5331

Inverse Universe

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



8.1329, 0.1610, 0.0661



8.1223, 0.1609, 0.0660



17.2700, 0.2490, 0.1145



17.5773, 0.3014, 0.3047



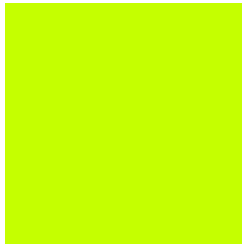
4.2986, 0.1621, 0.0667



0.4649, 0.1726, 0.0724

Previews

White Background



This preview shows how the Yxy color 83.3903, 0.3788, 0.5374 looks on a white background.

Color Contrast Check

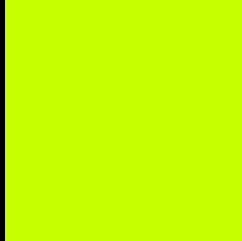
Large Text (above 18pt) WCAG AA × Fail

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 83.3903, 0.3788, 0.5374 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 83.3903, 0.3788, 0.5374

Background



This preview shows how black text looks on a background with the Yxy color 83.3903, 0.3788, 0.5374.

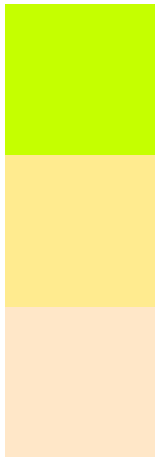


This preview shows how white text looks on a background with the Yxy color 83.3903, 0.3788, 0.5374.

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

83.3903, 0.3788, 0.5374

Protanopia

82.6598, 0.3863, 0.4206

Deuteranopia

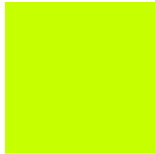
82.5820, 0.3501, 0.3603



Tritanopia

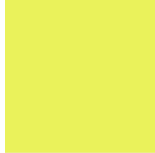
83.0040, 0.2912, 0.3104

Trichromacy



Original Color

83.3903, 0.3788, 0.5374



Protanomaly

81.7520, 0.3941, 0.4769



Deuteranomaly

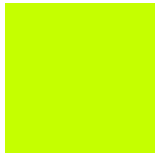
81.3449, 0.3778, 0.4459



Tritanomaly

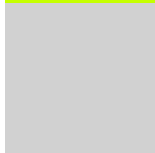
81.3071, 0.3408, 0.4197

Monochromacy



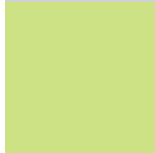
Original Color

83.3903, 0.3788, 0.5374



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

69.0653, 0.3578, 0.4365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3903, 0.3788, 0.5374 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(197, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 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(197, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 83.3903, 0.3788, 0.5374 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(197, 255, 0) }
```

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

```
.border{ border-color:rgb(197, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(197, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3903, 0.3788, 0.5374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 0) }
```

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

```
.background{ background-color: rgb(197,  
255, 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](#).

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