

Converting Colors

$Y_{xy}(83.5895, 0.3718, 0.5239)$

Have a look what the booklet for
Yxy(83.5895, 0.3718, 0.5239)
contains.

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Color

Yxy(83.5316, 0.3716, 0.5242)

Conversions

Conversions Part 1

Format	Color
Hex	C4FF37
RGB	196, 255, 55
RGB Percent	77%, 100%, 22%
CMY	0.2313, 0.0000, 0.7847
CMYK	0.23, 0.00, 0.78, 0.00
HSL	78°, 100%, 61%
HSV	78°, 78%, 100%
XYZ	59.2147, 83.5316, 16.6043
YIQ	214.5590, 29.0360, -74.7080

Conversions

Conversions Part 2

Format	Color
R _Y B	55, 255, 114
Decimal	12910391
CIE Lab	93.25, -43.85, 81.50
CIE LCh	93, 92.552, 118.282
Yxy	83.5316, 0.3716, 0.5242
Android (android.graphics.Color)	4291100471 (0xFFC4FF37)
YUV	214.5590, -78.6626, -16.2762
Hunter-Lab	91.3956, -44.2932, 53.2054

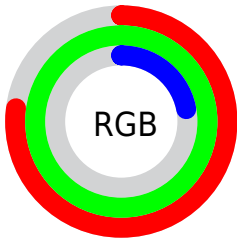
Details

The Yxy color **83.5316, 0.3716, 0.5242** is a light color, and the websafe version is hex **CCFF33**.

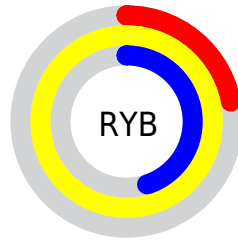
The color can be described as light washed yellow. A complement of this color would be **13.5147, 0.1941, 0.0996**, and the grayscale version is **68.1632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0880, 0.3907, 0.4580**, and **45.7065, 0.3657, 0.5478** is the 20% darker color. If you saturate the color by 10%, you get **82.3647, 0.3708, 0.5373**, and if you desaturate by 10%, it is **84.8760, 0.3698, 0.5063**.

Distribution



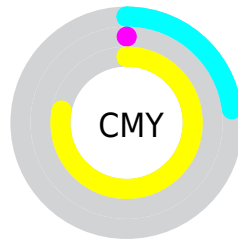
- Red (77%)
- Green (100%)
- Blue (22%)



- Red (22%)
- Yellow (100%)
- Blue (45%)



- Cyan (23%)
- Magenta (0%)
- Yellow (78%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5316, 0.3716, 0.5242 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 83.5316, 0.3716, 0.5242 by changing the saturation by 10% instead.


 83.5316, 0.3716,
0.5242


 83.5316, 0.3716,
0.5242

506.7565, 0.3538,
0.4357


 62.6288, 0.3727,
0.5424

 138.3198, 0.3677,
0.4948

 45.5410, 0.3726,
0.5636


 172.9739, 0.3656,
0.4829


 31.8837, 0.3700,
0.5879


 212.9806, 0.3634,
0.4725

 21.2727, 0.3634,
0.6158

 258.7243, 0.3613,
0.4633

 13.3235, 0.3507,
0.6493

 310.5893, 0.3592,
0.4552

 7.6517, 0.3219,
0.6781

368.9601, 0.3573,

 3.8729, 0.2787,

0.4480

0.7213

434.2210, 0.3555,
0.4415

■ 1.6027, 0.1679,
0.8321

■ 0.3594, 0.0000,
1.0000

■ 83.5316, 0.3716,
0.5242

■ 83.5316, 0.3716,
0.5242

■ 82.3647, 0.3708,
0.5373

■ 84.8760, 0.3698,
0.5063


■ 81.3492, 0.3677,
0.5456

■ 86.4144, 0.3655,
0.4841


■ 81.2019, 0.3672,
0.5467

■ 88.1623, 0.3590,
0.4589

■ 90.1332, 0.3508,
0.4318

 92.3391, 0.3414,
0.4040

 94.7911, 0.3315,
0.3765

 97.4994, 0.3213,
0.3501

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.



83.5316, 0.4583, 0.4737



83.5316, 0.3716, 0.5242



83.5316, 0.2754, 0.5017

Triad

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



83.5316, 0.3716, 0.5242



83.5316, 0.1431, 0.2088



83.5316, 0.4323, 0.2656

Complementary

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



83.5316, 0.3716, 0.5242



13.5147, 0.1941, 0.0996

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.



83.5316, 0.3229, 0.2136



83.5316, 0.3716, 0.5242



83.5316, 0.1684, 0.1804

Square

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



83.5316, 0.3716, 0.5242



83.5316, 0.1502, 0.2795



83.5316, 0.2281, 0.1837



83.5316, 0.5071, 0.3305

Rectangle

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



83.5316, 0.3716, 0.5242



83.5316, 0.2181, 0.4358



83.5316, 0.2281, 0.1837



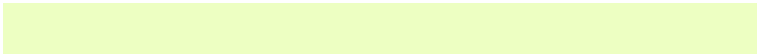
83.5316, 0.3969, 0.2463

Sweetspot

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



83.5321, 0.3716, 0.5242



93.4032, 0.3370, 0.3916



33.0358, 0.5407, 0.3746



19.8096, 0.3406, 0.4015



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.



83.5321, 0.3716, 0.5242



81.7867, 0.3693, 0.5424



74.4063, 0.3152, 0.5650



20.8061, 0.3223, 0.3528



42.5105, 0.3680, 0.5460



4.1955, 0.3740, 0.5412

Inverse Universe

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



13.5147, 0.1941, 0.0996



9.5471, 0.1738, 0.0752



23.8886, 0.2780, 0.1429



17.6372, 0.3025, 0.3047



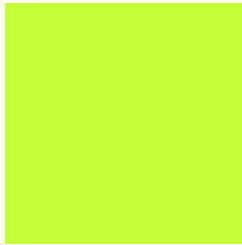
4.6245, 0.1693, 0.0707



0.5037, 0.1810, 0.0771

Previews

White Background



This preview shows how the Yxy color 83.5316, 0.3716, 0.5242 looks on a white background.

Color Contrast Check

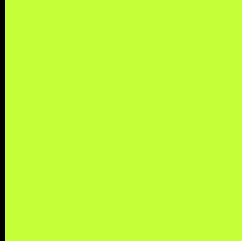
Large Text (above 18pt) WCAG AA × Fail

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 83.5316, 0.3716, 0.5242 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 83.5316, 0.3716, 0.5242

Background



This preview shows how black text looks on a background with the Yxy color 83.5316, 0.3716, 0.5242.



This preview shows how white text looks on a background with the Yxy color 83.5316, 0.3716, 0.5242.

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

83.5316, 0.3716, 0.5242

Protanopia

82.7210, 0.3851, 0.4188

Deuteranopia

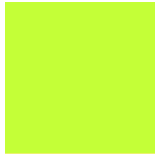
82.6289, 0.3494, 0.3593



Tritanopia

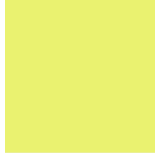
82.8484, 0.2905, 0.3104

Trichromacy



Original Color

83.5316, 0.3716, 0.5242



Protanomaly

82.1665, 0.3847, 0.4607



Deuteranomaly

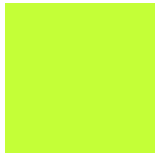
81.9507, 0.3659, 0.4257



Tritanomaly

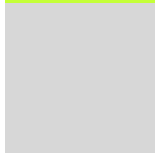
81.9277, 0.3283, 0.3975

Monochromacy



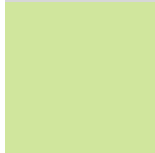
Original Color

83.5316, 0.3716, 0.5242



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.4378, 0.3441, 0.4127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5316, 0.3716, 0.5242 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(196, 255, 55)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 55)  
}
```

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(196, 255, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 55) }
```

Border

The CSS property to change the border of an element to Yxy 83.5316, 0.3716, 0.5242 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(196, 255, 55) }
```

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

```
.border{ border-color:rgb(196, 255, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 55);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5316, 0.3716, 0.5242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 55) }
```

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

```
.background{ background-color: rgb(196,  
255, 55) }
```

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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