

Converting Colors

$Y_{xy}(52.9985, 0.3522, 0.5586)$

Have a look what the booklet for
Yxy(52.9985, 0.3522, 0.5586)
contains.

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Color

Yxy(52.9184, 0.3525, 0.5583)

Conversions

Conversions Part 1

Format	Color
Hex	83D600
RGB	131, 214, 0
RGB Percent	51%, 84%, 0%
CMY	0.4861, 0.1608, 0.9997
CMYK	0.39, 0.00, 1.00, 0.16
HSL	83°, 100%, 42%
HSV	83°, 100%, 84%
XYZ	33.4117, 52.9184, 8.4548
YIQ	164.7870, 19.2260, -84.1500

Conversions

Conversions Part 2

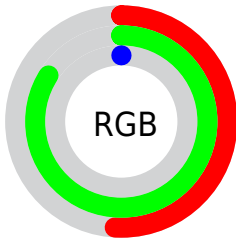
Format	Color
RYB	0, 214, 83
Decimal	8640000
CIELab	77.83, -51.55, 76.45
CIELCh	78, 92.202, 123.993
Yxy	52.9184, 0.3525, 0.5583
Android (android.graphics.Color)	4286830080 (0xFF83D600)
YUV	164.7870, -81.2400, -29.6312
Hunter-Lab	72.7450, -45.3191, 44.0305

Details

The Yxy color **52.9184, 0.3525, 0.5583** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6.6973, 0.1816, 0.0774**, and the grayscale version is **37.9193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1230, 0.3590, 0.5090**, and **26.0984, 0.3296, 0.5765** is the 20% darker color. If you saturate the color by 10%, you get **52.9181, 0.3525, 0.5583**, and if you desaturate by 10%, it is **53.6662, 0.3567, 0.5487**.

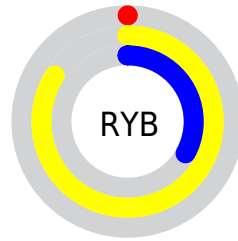
Distribution



Red (51%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (33%)

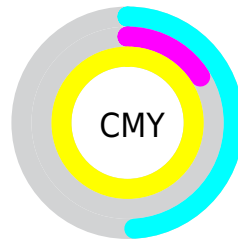


Cyan (39%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (49%)


Magenta (16%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9184, 0.3525, 0.5583 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 52.9184, 0.3525, 0.5583 by changing the saturation by 10% instead.


 52.9184, 0.3525,
0.5583


 52.9184, 0.3525,
0.5583


397.9720, 0.3448,
0.4440


 37.7376, 0.3497,
0.5839


 94.4843, 0.3532,
0.5184


 25.7791, 0.3434,
0.6140


 121.6382, 0.3524,
0.5028


 16.6585, 0.3322,
0.6513


 153.5519, 0.3513,
0.4894

 9.9913, 0.3090,
0.6910

 190.6099, 0.3500,
0.4778

 5.3932, 0.2676,
0.7324

 233.1965, 0.3487,
0.4677

 2.4798, 0.1993,
0.8007

 281.6961, 0.3474,

 0.8665, 0.0000,

0.4588

1.0000

336.4931, 0.3461,
0.4509

■ 0.0000, 0.0000,
0.0000

■ 52.9184, 0.3525,
0.5583

■ 52.9184, 0.3525,
0.5583

■ 52.9181, 0.3525,
0.5583

■ 53.6662, 0.3567,
0.5487

■ 54.5277, 0.3590,
0.5345

■ 55.5270, 0.3589,
0.5152

■ 56.6763, 0.3563,
0.4917

■ 57.9864, 0.3517,
0.4653

■ 59.4667, 0.3454,
0.4371

■ 61.1258, 0.3379,
0.4085

■ 62.9714, 0.3297,
0.3805

■ 65.0110, 0.3212,
0.3538

Harmonies

Analogous

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



52.9184, 0.4545, 0.5017



52.9184, 0.3525, 0.5583



52.9184, 0.2466, 0.5162

Triad

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



52.9184, 0.3525, 0.5583



52.9184, 0.1270, 0.1832



52.9184, 0.4722, 0.2687

Complementary

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



52.9184, 0.3525, 0.5583



6.6973, 0.1816, 0.0774

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.



52.9184, 0.3472, 0.2088



52.9184, 0.3525, 0.5583



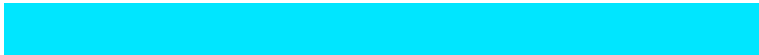
52.9184, 0.1608, 0.1613

Square

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



52.9184, 0.3525, 0.5583



52.9184, 0.1266, 0.2498



52.9184, 0.2333, 0.1713



52.9184, 0.5431, 0.3399

Rectangle

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



52.9184, 0.3525, 0.5583



52.9184, 0.1874, 0.4265



52.9184, 0.2333, 0.1713



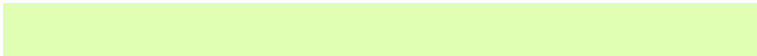
52.9184, 0.4332, 0.2469

Sweetspot

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



52.9207, 0.3525, 0.5583



90.8157, 0.3382, 0.4095



20.3428, 0.5759, 0.3809



19.2071, 0.3415, 0.4216



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.



52.9207, 0.3525, 0.5583



78.5991, 0.3519, 0.5588



48.2992, 0.3026, 0.5979



14.2684, 0.3207, 0.3524



32.0480, 0.3534, 0.5576



1.9801, 0.3648, 0.5486

Inverse Universe

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



6.6973, 0.1816, 0.0774



9.8663, 0.1806, 0.0769



15.6806, 0.2914, 0.1379



12.2411, 0.3041, 0.3053



4.1017, 0.1831, 0.0782



0.2944, 0.2028, 0.0891

Previews

White Background



This preview shows how the Yxy color 52.9184, 0.3525, 0.5583 looks on a white background.

Color Contrast Check

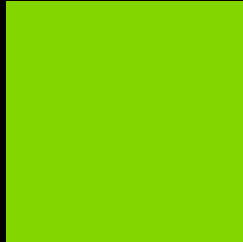
Large Text (above 18pt) WCAG AA × Fail

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 52.9184, 0.3525, 0.5583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

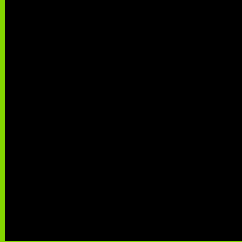
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9184, 0.3525, 0.5583

Background



This preview shows how black text looks on a background with the Yxy color 52.9184, 0.3525, 0.5583.



This preview shows how white text looks on a background with the Yxy color 52.9184, 0.3525, 0.5583.

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

52.9184, 0.3525, 0.5583

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

52.3238, 0.4636, 0.4541



Tritanopia

52.7217, 0.2703, 0.3084

Trichromacy



Original Color

52.9184, 0.3525, 0.5583

Protanomaly

51.6228, 0.4062, 0.5157

Deuteranomaly

51.0802, 0.4220, 0.4947

Tritanomaly

51.1029, 0.3148, 0.4238

Monochromacy



Original Color

52.9184, 0.3525, 0.5583

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

41.6592, 0.3471, 0.4433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9184, 0.3525, 0.5583 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(131, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(131, 214, 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(131, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 214, 0) }
```

Border

The CSS property to change the border of an element to Yxy 52.9184, 0.3525, 0.5583 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(131, 214, 0) }
```

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

```
.border{ border-color:rgb(131, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(131, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(131, 214,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9184, 0.3525, 0.5583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 214, 0) }
```

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

```
.background{ background-color: rgb(131,  
214, 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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