

Converting Colors

$Y_{xy}(41.9733, 0.3410, 0.5674)$

Have a look what the booklet for
Yxy(41.9733, 0.3410, 0.5674)
contains.

Yxy(41.9733, 0.3410, 0.5674)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.9733, 0.3410, 0.5674)

Conversions

Conversions Part 1

Format	Color
Hex	68C300
RGB	104, 195, 0
RGB Percent	41%, 76%, 0%
CMY	0.5921, 0.2353, 0.9994
CMYK	0.47, 0.00, 1.00, 0.24
HSL	88°, 100%, 38%
HSV	88°, 100%, 76%
XYZ	25.2254, 41.9733, 6.7761
YIQ	145.5610, 8.3590, -79.9370

Conversions

Conversions Part 2

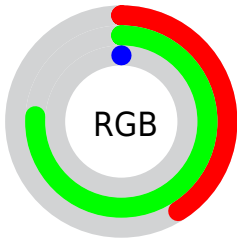
Format	Color
RYB	0, 195, 91
Decimal	6865664
CIELab	70.85, -53.05, 70.49
CIELCh	71, 88.218, 126.963
Yxy	41.9733, 0.3410, 0.5674
Android (android.graphics.Color)	4285055744 (0xFF68C300)
YUV	145.5610, -71.7616, -36.4490
Hunter-Lab	64.7868, -43.8761, 39.1496

Details

The Yxy color **41.9733, 0.3410, 0.5674** 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 **6.1756, 0.1958, 0.0853**, and the grayscale version is **28.8612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9865, 0.3441, 0.5224**, and **19.1875, 0.3136, 0.5892** is the 20% darker color. If you saturate the color by 10%, you get **41.9703, 0.3410, 0.5675**, and if you desaturate by 10%, it is **42.5989, 0.3458, 0.5566**.

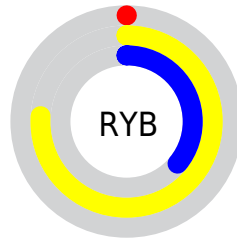
Distribution



Red (41%)

Green (76%)

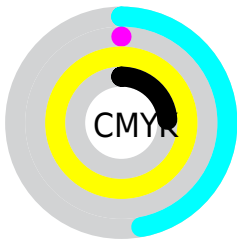
Blue (0%)



Red (0%)

Yellow (76%)

Blue (36%)

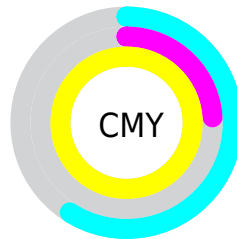


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (24%)



Cyan (59%)


Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9733, 0.3410, 0.5674 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 41.9733, 0.3410, 0.5674 by changing the saturation by 10% instead.


 41.9733, 0.3410,
0.5674


 41.9733, 0.3410,
0.5674

354.3722, 0.3387,
0.4424

 29.0804, 0.3362,
0.5971


 78.1592, 0.3439,
0.5223


 19.1416, 0.3267,
0.6329


 102.2210, 0.3438,
0.5051


 11.7727, 0.3138,
0.6862


 130.7745, 0.3433,
0.4905

 6.5891, 0.2759,
0.7241

 164.2042, 0.3425,
0.4780

 3.2065, 0.2193,
0.7807

 202.8944, 0.3416,
0.4673

 1.2405, 0.0000,
1.0000

 247.2296, 0.3406,

 0.0944, 0.0000,

0.4579

1.0000

297.5941, 0.3396,
0.4497

■ 0.0000, 0.0000,
0.0000

■ 41.9733, 0.3410,
0.5674

■ 41.9733, 0.3410,
0.5674

■ 41.9703, 0.3410,
0.5675

■ 42.5989, 0.3458,
0.5566

■ 43.3325, 0.3488,
0.5410

■ 44.1950, 0.3497,
0.5202

■ 45.1969, 0.3483,
0.4952

■ 46.3473, 0.3449,
0.4674

■ 47.6545, 0.3399,
0.4382

■ 49.1257, 0.3338,
0.4089

■ 50.7680, 0.3270,
0.3805

■ 52.5877, 0.3199,
0.3537

Harmonies

Analogous

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



41.9733, 0.4470, 0.5130



41.9733, 0.3410, 0.5674



41.9733, 0.2338, 0.5121

Triad

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



41.9733, 0.3410, 0.5674



41.9733, 0.1246, 0.1753



41.9733, 0.4882, 0.2734

Complementary

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



41.9733, 0.3410, 0.5674



6.1756, 0.1958, 0.0853

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.



41.9733, 0.3612, 0.2109



41.9733, 0.3410, 0.5674



41.9733, 0.1624, 0.1570

Square

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



41.9733, 0.3410, 0.5674



41.9733, 0.1207, 0.2374



41.9733, 0.2406, 0.1701



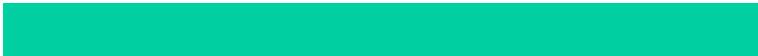
41.9733, 0.5522, 0.3463

Rectangle

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



41.9733, 0.3410, 0.5674



41.9733, 0.1760, 0.4141



41.9733, 0.2406, 0.1701



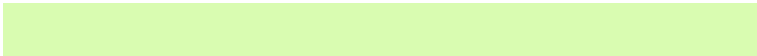
41.9733, 0.4495, 0.2509

Sweetspot

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



41.9751, 0.3410, 0.5674



87.8309, 0.3342, 0.4105



19.0996, 0.5509, 0.4007



18.9795, 0.3369, 0.4231



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.



41.9751, 0.3410, 0.5674



75.0177, 0.3399, 0.5683



39.0745, 0.3007, 0.5994



11.5171, 0.3195, 0.3522



27.3282, 0.3419, 0.5667



1.2215, 0.3586, 0.5535

Inverse Universe

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



6.1756, 0.1958, 0.0853



10.9012, 0.1942, 0.0843



14.6996, 0.3126, 0.1496



9.9734, 0.3055, 0.3057



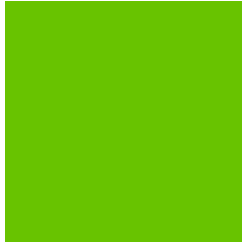
4.0578, 0.1971, 0.0859



0.2163, 0.2225, 0.0999

Previews

White Background



This preview shows how the Yxy color 41.9733, 0.3410, 0.5674 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 41.9733, 0.3410, 0.5674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

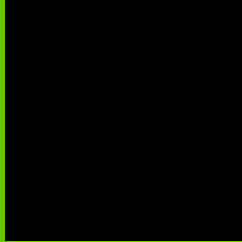
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9733, 0.3410, 0.5674

Background



This preview shows how black text looks on a background with the Yxy color 41.9733, 0.3410, 0.5674.



This preview shows how white text looks on a background with the Yxy color 41.9733, 0.3410, 0.5674.

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

41.9733, 0.3410, 0.5674

Protanopia

41.3565, 0.4398, 0.4890

Deuteranopia

41.0926, 0.4634, 0.4525



Tritanopia

41.7004, 0.2620, 0.3074

Trichromacy



Original Color

41.9733, 0.3410, 0.5674



Protanomaly

40.6248, 0.4001, 0.5205



Deuteranomaly

39.9602, 0.4164, 0.4980



Tritanomaly

40.5915, 0.3043, 0.4259

Monochromacy



Original Color

41.9733, 0.3410, 0.5674



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.1665, 0.3416, 0.4465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9733, 0.3410, 0.5674 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(104, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 195, 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(104, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 195, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.9733, 0.3410, 0.5674 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(104, 195, 0) }
```

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

```
.border{ border-color:rgb(104, 195, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 195, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 195,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9733, 0.3410, 0.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 195, 0) }
```

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

```
.background{ background-color: rgb(104,  
195, 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