

Converting Colors

$Y_{xy}(74.6078, 0.3248, 0.5803)$

Have a look what the booklet for
Yxy(74.6078, 0.3248, 0.5803)
contains.

Yxy(74.5842, 0.3246, 0.5805)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(74.5842, 0.3246, 0.5805)

Conversions

Conversions Part 1

Format	Color
Hex	6AFF00
RGB	106, 255, 0
RGB Percent	42%, 100%, 0%
CMY	0.5842, 0.0000, 1.0000
CMYK	0.58, 0.00, 1.00, 0.00
HSL	95°, 100%, 50%
HSV	95°, 100%, 100%
XYZ	41.7055, 74.5842, 12.1930
YIQ	181.3790, -6.9490, -110.8930

Conversions

Conversions Part 2

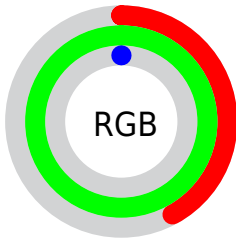
Format	Color
RYB	0, 255, 149
Decimal	7012096
CIELab	89.20, -73.49, 84.97
CIELCh	89, 112.348, 130.856
Yxy	74.5842, 0.3246, 0.5805
Android (android.graphics.Color)	4285202176 (0xFF6AFF00)
YUV	181.3790, -89.4198, -66.1074
Hunter-Lab	86.3621, -64.9336, 52.0827

Details

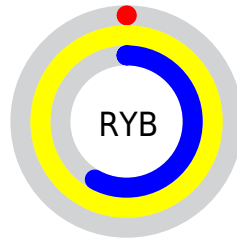
The Yxy color **74.5842, 0.3246, 0.5805** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **13.6071, 0.2179, 0.0974**, and the grayscale version is **46.9263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0810, 0.3444, 0.5101**, and **39.9325, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **74.5858, 0.3246, 0.5805**, and if you desaturate by 10%, it is **75.6518, 0.3302, 0.5701**.

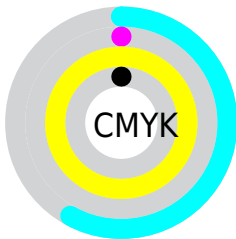
Distribution



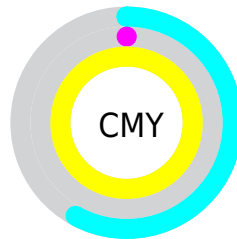
- Red (42%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (58%)



- Cyan (58%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.5842, 0.3246, 0.5805 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 74.5842, 0.3246, 0.5805 by changing the saturation by 10% instead.


 74.5842, 0.3246,
0.5805


 74.5842, 0.3246,
0.5805


476.4872, 0.3318,
0.4593


 55.2723, 0.3191,
0.6068


 125.7236, 0.3302,
0.5390


 39.6198, 0.3102,
0.6378


 158.3199, 0.3315,
0.5225

 27.2422, 0.2961,
0.6739


 196.1132, 0.3321,
0.5083

 17.7552, 0.2768,
0.7232

 239.4877, 0.3325,
0.4959

 10.7744, 0.2388,
0.7612

 288.8280, 0.3325,
0.4851

 5.9153, 0.1867,
0.8133


 344.5184, 0.3324,

 2.7937, 0.0748,

0.4754


0.9252


406.9434, 0.3322,
0.4669


 1.0250, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.5842, 0.3246,
0.5805


 74.5842, 0.3246,
0.5805


 74.5858, 0.3246,
0.5805


 75.6518, 0.3302,
0.5701


 76.9783, 0.3344,
0.5538


 78.6012, 0.3367,
0.5316

 80.5449, 0.3371,
0.5046

 82.8304, 0.3355,
0.4745

 85.4768, 0.3325,
0.4432

 88.5014, 0.3283,
0.4121

 91.9202, 0.3234,
0.3823

 95.7484, 0.3181,
0.3544

Harmonies

Analogous

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



74.5842, 0.4360, 0.5294



74.5842, 0.3246, 0.5805



74.5842, 0.2159, 0.5056

Triad

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



74.5842, 0.3246, 0.5805



74.5842, 0.1214, 0.1646



74.5842, 0.5107, 0.2795

Complementary

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



74.5842, 0.3246, 0.5805



13.6071, 0.2179, 0.0974

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.



74.5842, 0.3815, 0.2136



74.5842, 0.3246, 0.5805



74.5842, 0.1646, 0.1511

Square

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



74.5842, 0.3246, 0.5805



74.5842, 0.1126, 0.2207



74.5842, 0.2511, 0.1684



74.5842, 0.5642, 0.3546

Rectangle

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



74.5842, 0.3246, 0.5805



74.5842, 0.1603, 0.3962



74.5842, 0.2511, 0.1684



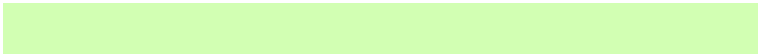
74.5842, 0.4728, 0.2561

Sweetspot

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



74.5858, 0.3246, 0.5805



88.5014, 0.3283, 0.4121



42.6759, 0.5188, 0.4262



18.6599, 0.3302, 0.4251



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.



74.5858, 0.3246, 0.5805



71.5751, 0.2989, 0.5959



20.5370, 0.3179, 0.3531



39.0554, 0.3258, 0.5795



3.8650, 0.3346, 0.5726

Inverse Universe

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



13.6071, 0.2179, 0.0974



27.1862, 0.3435, 0.1666



17.9020, 0.3071, 0.3051



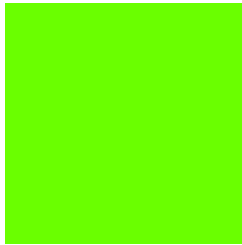
7.1997, 0.2195, 0.0983



0.7652, 0.2307, 0.1044

Previews

White Background



This preview shows how the Yxy color 74.5842, 0.3246, 0.5805 looks on a white background.

Color Contrast Check

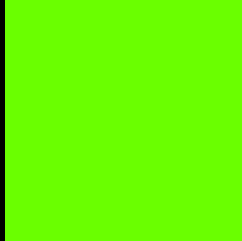
Large Text (above 18pt) WCAG AA × Fail

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 74.5842, 0.3246, 0.5805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

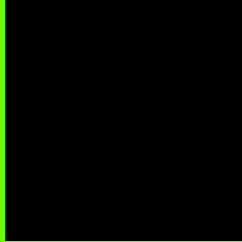
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

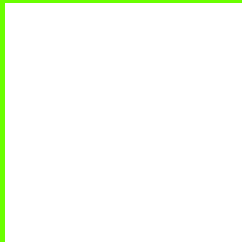
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.5842, 0.3246, 0.5805

Background



This preview shows how black text looks on a background with the Yxy color 74.5842, 0.3246, 0.5805.



This preview shows how white text looks on a background with the Yxy color 74.5842, 0.3246, 0.5805.

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

74.5842, 0.3246, 0.5805

Protanopia

73.2846, 0.4408, 0.4882

Deuteranopia

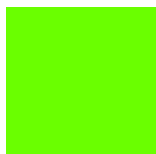
72.9098, 0.3826, 0.3866



Tritanopia

74.2724, 0.2528, 0.3083

Trichromacy



Original Color

74.5842, 0.3246, 0.5805



Protanomaly

71.4224, 0.3914, 0.5274



Deuteranomaly

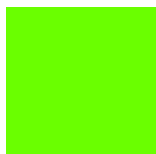
69.9704, 0.3703, 0.4730



Tritanomaly

72.3783, 0.2922, 0.4343

Monochromacy



Original Color

74.5842, 0.3246, 0.5805



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.2196, 0.3342, 0.4563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5842, 0.3246, 0.5805 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(106, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 74.5842, 0.3246, 0.5805 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(106, 255, 0) }
```

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

```
.border{ border-color:rgb(106, 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(106, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 74.5842, 0.3246, 0.5805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 0) }
```

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

```
.background{ background-color: rgb(106,  
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](#).

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