

Converting Colors

$Y_{xy}(75.6573, 0.3319, 0.5734)$

Have a look what the booklet for
Yxy(75.6573, 0.3319, 0.5734)
contains.

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Color

Yxy(75.6729, 0.3320, 0.5733)

Conversions

Conversions Part 1

Format	Color
Hex	7AFF07
RGB	122, 255, 7
RGB Percent	48%, 100%, 3%
CMY	0.5217, 0.0000, 0.9721
CMYK	0.52, 0.00, 0.97, 0.00
HSL	92°, 100%, 51%
HSV	92°, 97%, 100%
XYZ	43.8224, 75.6729, 12.5000
YIQ	186.9610, 0.3400, -105.3240

Conversions

Conversions Part 2

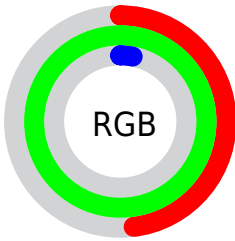
Format	Color
RYB	7, 255, 140
Decimal	8060679
CIELab	89.71, -69.37, 85.05
CIElCh	90, 109.751, 129.200
Yxy	75.6729, 0.3320, 0.5733
Android (android.graphics.Color)	4286250759 (0xFF7AFF07)
YUV	186.9610, -88.7208, -56.9708
Hunter-Lab	86.9902, -62.3111, 52.3735

Details

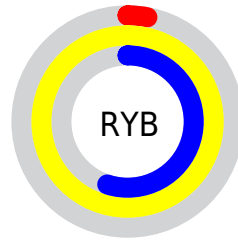
The Yxy color **75.6729, 0.3320, 0.5733** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.9623, 0.2106, 0.0943**, and the grayscale version is **50.1850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6605, 0.3522, 0.5033**, and **40.5368, 0.3091, 0.5928** is the 20% darker color. If you saturate the color by 10%, you get **75.3826, 0.3304, 0.5759**, and if you desaturate by 10%, it is **76.8337, 0.3373, 0.5618**.

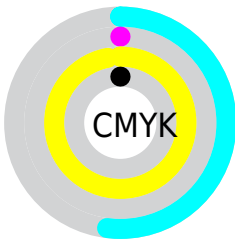
Distribution



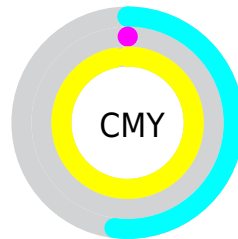
- Red (48%)
- Green (100%)
- Blue (3%)



- Red (3%)
- Yellow (100%)
- Blue (55%)



- Cyan (52%)
- Magenta (0%)
- Yellow (97%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6729, 0.3320, 0.5733 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 75.6729, 0.3320, 0.5733 by changing the saturation by 10% instead.

 75.6729, 0.3320,
0.5733


 75.6729, 0.3320,
0.5733


480.2272, 0.3355,
0.4566


 56.1643, 0.3274,
0.5984


 127.2644, 0.3362,
0.5335


 40.3347, 0.3198,
0.6279

 160.1162, 0.3369,
0.5177

 27.7996, 0.3073,
0.6622


 198.1844, 0.3372,
0.5040

 18.1746, 0.2899,
0.7084

 241.8536, 0.3371,
0.4920

 11.0754, 0.2547,
0.7453

 291.5081, 0.3369,
0.4815

 6.1176, 0.2054,
0.7946


 347.5322, 0.3365,

 2.9167, 0.1153,

0.4722

0.8847


410.3105, 0.3360,
0.4640


 1.0884, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.6729, 0.3320,
0.5733


 75.6729, 0.3320,
0.5733


 75.3826, 0.3304,
0.5759


 76.8337, 0.3373,
0.5618


 78.2489, 0.3407,
0.5442


 79.9439, 0.3420,
0.5212


 81.9404, 0.3412,
0.4940

 84.2572, 0.3385,
0.4642

 86.9114, 0.3344,
0.4335

 89.9186, 0.3292,
0.4031

 93.2934, 0.3233,
0.3741

 97.0492, 0.3172,
0.3471

Harmonies

Analogous

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



75.6729, 0.4406, 0.5215



75.6729, 0.3320, 0.5733



75.6729, 0.2243, 0.5073

Triad

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



75.6729, 0.3320, 0.5733



75.6729, 0.1235, 0.1700



75.6729, 0.4998, 0.2773

Complementary

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



75.6729, 0.3320, 0.5733



12.9623, 0.2106, 0.0943

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.



75.6729, 0.3723, 0.2130



75.6729, 0.3320, 0.5733



75.6729, 0.1643, 0.1544

Square

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



75.6729, 0.3320, 0.5733



75.6729, 0.1168, 0.2285



75.6729, 0.2469, 0.1698



75.6729, 0.5579, 0.3512

Rectangle

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



75.6729, 0.3320, 0.5733



75.6729, 0.1678, 0.4036



75.6729, 0.2469, 0.1698



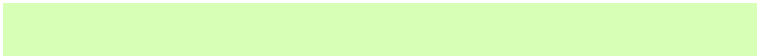
75.6729, 0.4618, 0.2543

Sweetspot

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



75.6715, 0.3320, 0.5733



89.3531, 0.3301, 0.4085



39.8343, 0.5287, 0.4166



18.8472, 0.3324, 0.4214



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.



75.6715, 0.3320, 0.5733



75.3826, 0.3304, 0.5759



71.6015, 0.2997, 0.5970



20.5806, 0.3186, 0.3531



39.4757, 0.3316, 0.5749



3.9078, 0.3403, 0.5680

Inverse Universe

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



12.9623, 0.2106, 0.0943



12.5251, 0.2078, 0.0918



28.1137, 0.3293, 0.1594



17.8578, 0.3063, 0.3050



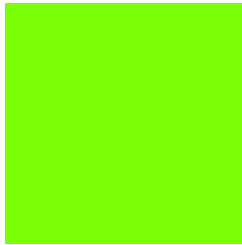
6.6345, 0.2094, 0.0927



0.7110, 0.2213, 0.0993

Previews

White Background



This preview shows how the Yxy color 75.6729, 0.3320, 0.5733 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 75.6729, 0.3320, 0.5733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

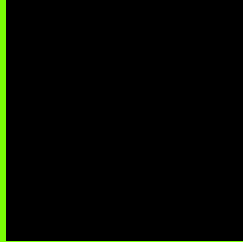
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

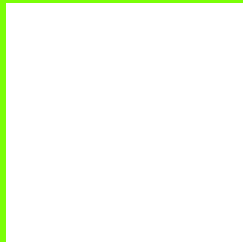
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6729, 0.3320, 0.5733

Background



This preview shows how black text looks on a background with the Yxy color 75.6729, 0.3320, 0.5733.



This preview shows how white text looks on a background with the Yxy color 75.6729, 0.3320, 0.5733.

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

75.6729, 0.3320, 0.5733

Protanopia

74.0068, 0.4407, 0.4883

Deuteranopia

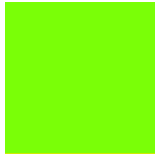
74.1560, 0.3775, 0.3825



Tritanopia

75.2620, 0.2576, 0.3086

Trichromacy



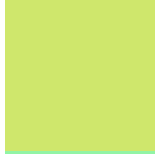
Original Color

75.6729, 0.3320, 0.5733



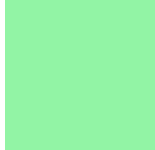
Protanomaly

72.4024, 0.3965, 0.5229



Deuteranomaly

71.4999, 0.3714, 0.4658



Tritanomaly

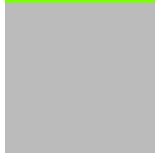
73.5290, 0.2971, 0.4284

Monochromacy



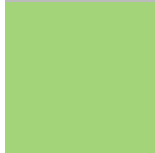
Original Color

75.6729, 0.3320, 0.5733



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.2786, 0.3360, 0.4485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6729, 0.3320, 0.5733 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(122, 255, 7)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 7)  
}
```

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(122, 255, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 7) }
```

Border

The CSS property to change the border of an element to Yxy 75.6729, 0.3320, 0.5733 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(122, 255, 7) }
```

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

```
.border{ border-color:rgb(122, 255, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 255, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 7);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6729, 0.3320, 0.5733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 7) }
```

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

```
.background{ background-color: rgb(122,  
255, 7) }
```

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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