

Converting Colors

$Y_{xy}(74.7378, 0.3257, 0.5796)$

Have a look what the booklet for
Yxy(74.7378, 0.3257, 0.5796)
contains.

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Color

Yxy(74.7081, 0.3255, 0.5798)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6CFF00 |
| RGB | 108, 255, 0 |
| RGB Percent | 42%, 100%, 0% |
| CMY | 0.5766, 0.0000, 1.0000 |
| CMYK | 0.58, 0.00, 1.00, 0.00 |
| HSL | 95°, 100%, 50% |
| HSV | 95°, 100%, 100% |
| XYZ | 41.9412, 74.7081, 12.2022 |
| YIQ | 181.9770, -5.7570, -110.4690 |

Conversions

Conversions Part 2

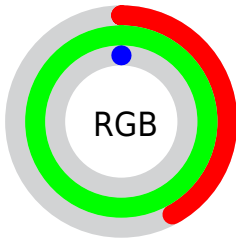
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 255, 147 |
| Decimal | 7143168 |
| CIELab | 89.26, -73.03, 85.05 |
| CIELCh | 89, 112.103, 130.651 |
| Yxy | 74.7081, 0.3255, 0.5798 |
| Android (android.graphics.Color) | 4285333248 (0xFF6CFF00) |
| YUV | 181.9770, -89.7147, -64.8778 |
| Hunter-Lab | 86.4338, -64.6439, 52.1335 |

Details

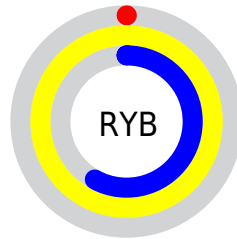
The Yxy color **74.7081, 0.3255, 0.5798** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **13.4252, 0.2163, 0.0965**, and the grayscale version is **47.2627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1946, 0.3451, 0.5097**, and **39.9906, 0.3009, 0.5993** is the 20% darker color. If you saturate the color by 10%, you get **74.7067, 0.3255, 0.5798**, and if you desaturate by 10%, it is **75.7797, 0.3311, 0.5694**.

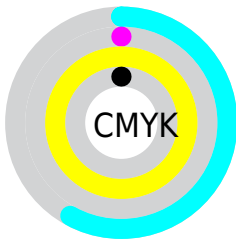
Distribution



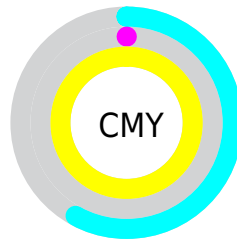
- Red (42%)
- Green (100%)
- Blue (0%)



- 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 74.7081, 0.3255, 0.5798 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 74.7081, 0.3255, 0.5798 by changing the saturation by 10% instead.


 74.7081, 0.3255,
0.5798

 74.7081, 0.3255,
0.5798


 476.9137, 0.3323,
0.4591

 55.3738, 0.3201,
0.6060

 125.8991, 0.3309,
0.5385

 39.7011, 0.3114,
0.6368


 158.5245, 0.3321,
0.5221


 27.3055, 0.2974,
0.6726


 196.3492, 0.3328,
0.5079

 17.8028, 0.2784,
0.7216

 239.7574, 0.3330,
0.4956

 10.8085, 0.2406,
0.7594

 289.1335, 0.3331,
0.4847

 5.9382, 0.1888,
0.8112


 344.8620, 0.3329,

 2.8076, 0.0798,


0.4752


0.9202


407.3273, 0.3326,
0.4667

 1.0321, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 74.7081, 0.3255,
0.5798


 74.7081, 0.3255,
0.5798

 74.7067, 0.3255,
0.5798

 75.7797, 0.3311,
0.5694

 77.1097, 0.3353,
0.5532

 78.7323, 0.3375,
0.5310

 80.6715, 0.3378,
0.5042

■ 82.9483, 0.3362,
0.4742

■ 85.5813, 0.3330,
0.4430

■ 88.5876, 0.3287,
0.4120

■ 91.9831, 0.3237,
0.3822

■ 95.7825, 0.3183,
0.3544

Harmonies

Analogous

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



74.7081, 0.4366, 0.5285



74.7081, 0.3255, 0.5798



74.7081, 0.2169, 0.5060

Triad

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



74.7081, 0.3255, 0.5798



74.7081, 0.1215, 0.1652



74.7081, 0.5095, 0.2792

Complementary

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



74.7081, 0.3255, 0.5798



13.4252, 0.2163, 0.0965

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.



74.7081, 0.3804, 0.2134



74.7081, 0.3255, 0.5798



74.7081, 0.1645, 0.1514

Square

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



74.7081, 0.3255, 0.5798



74.7081, 0.1130, 0.2216



74.7081, 0.2505, 0.1684



74.7081, 0.5636, 0.3541

Rectangle

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



74.7081, 0.3255, 0.5798



74.7081, 0.1611, 0.3972



74.7081, 0.2505, 0.1684



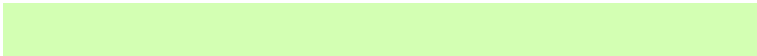
74.7081, 0.4715, 0.2558

Sweetspot

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



74.7067, 0.3255, 0.5798



88.5876, 0.3287, 0.4120



41.3583, 0.5237, 0.4223



18.6801, 0.3306, 0.4250



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.



74.7067, 0.3255, 0.5798



71.5605, 0.2992, 0.5970



20.5440, 0.3180, 0.3531



39.1193, 0.3267, 0.5788



3.8716, 0.3355, 0.5718

Inverse Universe

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



13.4252, 0.2163, 0.0965



27.4330, 0.3387, 0.1640



17.8949, 0.3070, 0.3051



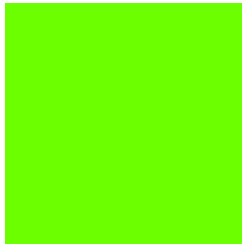
7.1048, 0.2178, 0.0974



0.7561, 0.2291, 0.1036

Previews

White Background



This preview shows how the Yxy color 74.7081, 0.3255, 0.5798 looks on a white background.

Color Contrast Check

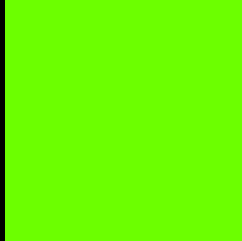
Large Text (above 18pt) WCAG AA × Fail

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 74.7081, 0.3255, 0.5798 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

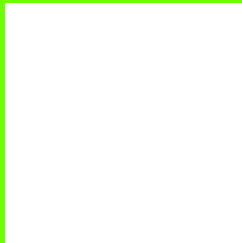
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.7081, 0.3255, 0.5798

Background



This preview shows how black text looks on a background with the Yxy color 74.7081, 0.3255, 0.5798.



This preview shows how white text looks on a background with the Yxy color 74.7081, 0.3255, 0.5798.

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

74.7081, 0.3255, 0.5798

Protanopia

73.2846, 0.4408, 0.4882

Deuteranopia

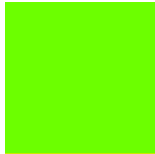
72.9449, 0.3818, 0.3856



Tritanopia

74.3677, 0.2533, 0.3083

Trichromacy



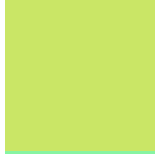
Original Color

74.7081, 0.3255, 0.5798



Protanomaly

71.5588, 0.3921, 0.5268



Deuteranomaly

70.1095, 0.3711, 0.4726



Tritanomaly

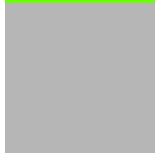
72.4609, 0.2927, 0.4341

Monochromacy



Original Color

74.7081, 0.3255, 0.5798



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.8304, 0.3341, 0.4557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7081, 0.3255, 0.5798 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(108, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 74.7081, 0.3255, 0.5798 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(108, 255, 0) }
```

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

```
.border{ border-color:rgb(108, 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(108, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 74.7081, 0.3255, 0.5798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 0) }
```

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

```
.background{ background-color: rgb(108,  
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](#).

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