

Converting Colors

$Yxy(72.4800, 0.2839, 0.5397)$

Have a look what the booklet for
Yxy(72.4800, 0.2839, 0.5397)
contains.

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Color

Yxy(72.4920, 0.2838, 0.5393)

Conversions

Conversions Part 1

Format	Color
Hex	0BFF63
RGB	11, 255, 99
RGB Percent	4%, 100%, 39%
CMY	0.9572, 0.0000, 0.6119
CMYK	0.96, 0.00, 0.61, 0.00
HSL	142°, 100%, 52%
HSV	142°, 96%, 100%
XYZ	38.1480, 72.4920, 23.7787
YIQ	164.2600, -95.3480, -100.2440

Conversions

Conversions Part 2

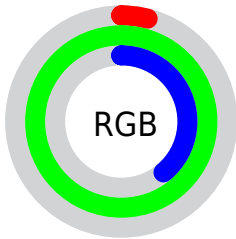
Format	Color
RYB	11, 190, 255
Decimal	786275
CIELab	88.20, -80.34, 59.22
CIELCh	88, 99.808, 143.604
Yxy	72.4920, 0.2838, 0.5393
Android (android.graphics.Color)	4278976355 (0xFF0BFF63)
YUV	164.2600, -32.1732, -134.4090
Hunter-Lab	85.1422, -69.0219, 43.0410

Details

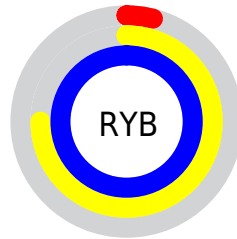
The Yxy color **72.4920, 0.2838, 0.5393** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated spring green. A complement of this color would be **24.2848, 0.4343, 0.2182**, and the grayscale version is **37.4298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7046, 0.2890, 0.4578**, and **39.6470, 0.2939, 0.5781** is the 20% darker color. If you saturate the color by 10%, you get **72.2927, 0.2854, 0.5474**, and if you desaturate by 10%, it is **73.1466, 0.2808, 0.5184**.

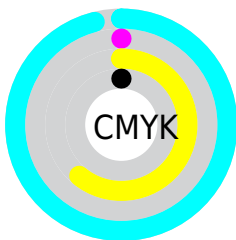
Distribution



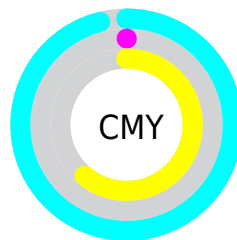
- Red (4%)
- Green (100%)
- Blue (39%)



- Red (4%)
- Yellow (75%)
- Blue (100%)



- Cyan (96%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (96%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.4920, 0.2838, 0.5393 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 72.4920, 0.2838, 0.5393 by changing the saturation by 10% instead.


 72.4920, 0.2838,
0.5393


 72.4920, 0.2838,
0.5393


469.2523, 0.3041,
0.4330


 53.5607, 0.2772,
0.5650


 122.7558, 0.2924,
0.5010


 38.2505, 0.2679,
0.5971


 154.8570, 0.2953,
0.4865


 26.1772, 0.2546,
0.6378


 192.1170, 0.2976,
0.4742

 16.9563, 0.2344,
0.6900

 234.9202, 0.2994,
0.4636

 10.2033, 0.2043,
0.7610

 283.6509, 0.3009,
0.4544

 5.5340, 0.1553,
0.8447

338.6935, 0.3021,

 2.5638, 0.0000,


0.4464


1.0000


400.4325, 0.3032,
0.4393

 0.9085, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.4920, 0.2838,
0.5393


 72.4920, 0.2838,
0.5393


 72.2927, 0.2854,
0.5474

 73.1466, 0.2808,
0.5184


 74.1955, 0.2794,
0.4951


 75.7001, 0.2800,
0.4703


 77.7113, 0.2822,
0.4451

 80.2729, 0.2860,
0.4205

 83.4237, 0.2908,
0.3971

 87.1990, 0.2965,
0.3754

 91.6313, 0.3027,
0.3558

 96.7507, 0.3090,
0.3382

Harmonies

Analogous

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



72.4920, 0.3890, 0.5413



72.4920, 0.2838, 0.5393



72.4920, 0.1914, 0.4258

Triad

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



72.4920, 0.2838, 0.5393



72.4920, 0.1481, 0.1680



72.4920, 0.5229, 0.3155

Complementary

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



72.4920, 0.2838, 0.5393



24.2848, 0.4343, 0.2182

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.



72.4920, 0.4288, 0.2479



72.4920, 0.2838, 0.5393



72.4920, 0.2056, 0.1675

Square

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



72.4920, 0.2838, 0.5393



72.4920, 0.1264, 0.2032



72.4920, 0.3043, 0.1954



72.4920, 0.5379, 0.3903

Rectangle

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



72.4920, 0.2838, 0.5393



72.4920, 0.1511, 0.3298



72.4920, 0.3043, 0.1954



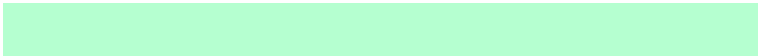
72.4920, 0.4991, 0.2920

Sweetspot

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



72.4909, 0.2838, 0.5393



85.8906, 0.2946, 0.3823



80.0419, 0.3598, 0.5507



18.0419, 0.2922, 0.3916



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.



72.4909, 0.2838, 0.5393



72.2927, 0.2854, 0.5474



76.6727, 0.2381, 0.3756



20.2765, 0.3066, 0.3446



37.8004, 0.2845, 0.5443



3.7005, 0.2782, 0.5215

Inverse Universe

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



24.2848, 0.4343, 0.2182



23.9043, 0.4410, 0.2203



21.7067, 0.6131, 0.3177



18.1826, 0.3194, 0.3139



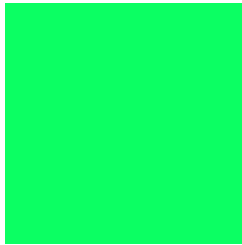
12.5201, 0.4385, 0.2189



1.2400, 0.4215, 0.2096

Previews

White Background



This preview shows how the Yxy color 72.4920, 0.2838, 0.5393 looks on a white background.

Color Contrast Check

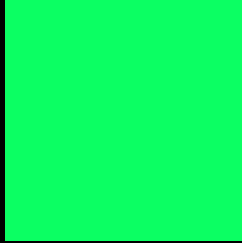
Large Text (above 18pt) WCAG AA × Fail

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 72.4920, 0.2838, 0.5393 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 72.4920, 0.2838, 0.5393

Background



This preview shows how black text looks on a background with the Yxy color 72.4920, 0.2838, 0.5393.

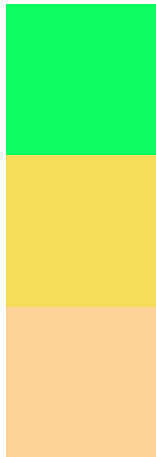


This preview shows how white text looks on a background with the Yxy color 72.4920, 0.2838, 0.5393.

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

72.4920, 0.2838, 0.5393

Protanopia

70.6007, 0.4169, 0.4571

Deuteranopia

70.7135, 0.3877, 0.3878



Tritanopia

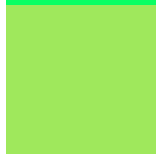
71.7103, 0.2399, 0.3076

Trichromacy



Original Color

72.4920, 0.2838, 0.5393



Protanomaly

65.8569, 0.3431, 0.5012



Deuteranomaly

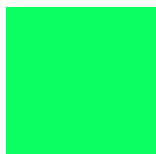
65.3431, 0.3272, 0.4469



Tritanomaly

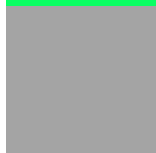
70.4841, 0.2534, 0.3895

Monochromacy



Original Color

72.4920, 0.2838, 0.5393



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

45.0141, 0.2866, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4920, 0.2838, 0.5393 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(11, 255, 99)` looks like.

```
.text, #text, p{  
    color:rgb(11, 255, 99)  
}
```

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(11, 255, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 72.4920, 0.2838, 0.5393 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(11, 255, 99) }
```

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

```
.border{ border-color:rgb(11, 255, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 255, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(11, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4920, 0.2838, 0.5393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 255, 99) }
```

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

```
.background{ background-color: rgb(11, 255,  
99) }
```

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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