

Converting Colors

$Y_{xy}(72.9851, 0.3376, 0.5701)$

Have a look what the booklet for
Yxy(72.9851, 0.3376, 0.5701)
contains.

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Color

Yxy(73.0383, 0.3376, 0.5702)

Conversions

Conversions Part 1

Format	Color
Hex	81FA00
RGB	129, 250, 0
RGB Percent	51%, 98%, 0%
CMY	0.4939, 0.0196, 1.0000
CMYK	0.48, 0.00, 1.00, 0.02
HSL	89°, 100%, 49%
HSV	89°, 100%, 98%
XYZ	43.2440, 73.0383, 11.8101
YIQ	185.3210, 8.1340, -103.4020

Conversions

Conversions Part 2

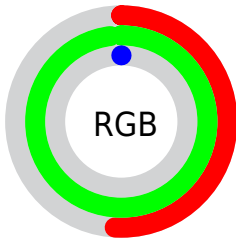
Format	Color
RYB	0, 250, 121
Decimal	8518144
CIELab	88.47, -65.72, 84.73
CIElCh	88, 107.234, 127.799
Yxy	73.0383, 0.3376, 0.5702
Android (android.graphics.Color)	4286708224 (0xFF81FA00)
YUV	185.3210, -91.3633, -49.3935
Hunter-Lab	85.4624, -59.2383, 51.6304

Details

The Yxy color **73.0383, 0.3376, 0.5702** is a dark color, and the websafe version is hex **99FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **10.9628, 0.1974, 0.0861**, and the grayscale version is **49.2296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3691, 0.3573, 0.5033**, and **38.6599, 0.3151, 0.5880** is the 20% darker color. If you saturate the color by 10%, you get **73.0420, 0.3376, 0.5702**, and if you desaturate by 10%, it is **74.1166, 0.3429, 0.5601**.

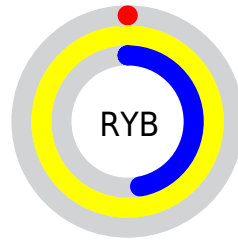
Distribution



Red (51%)

Green (98%)

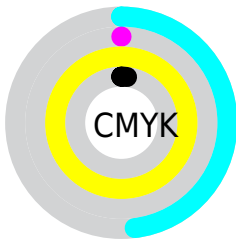
Blue (0%)



Red (0%)

Yellow (98%)

Blue (47%)

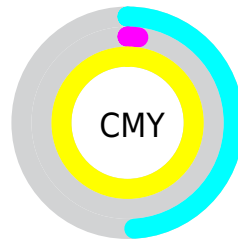


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (49%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.0383, 0.3376, 0.5702 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 73.0383, 0.3376, 0.5702 by changing the saturation by 10% instead.

 73.0383, 0.3376,
0.5702


 73.0383, 0.3376,
0.5702


471.1475, 0.3384,
0.4549

 54.0073, 0.3335,
0.5950


 123.5316, 0.3410,
0.5309


 38.6075, 0.3264,
0.6240


 155.7626, 0.3414,
0.5153

 26.4545, 0.3143,
0.6575


 193.1625, 0.3413,
0.5018

 17.1640, 0.2973,
0.7027

 236.1155, 0.3409,
0.4900

 10.3515, 0.2619,
0.7381

 285.0062, 0.3404,
0.4796

 5.6326, 0.2124,
0.7876


 340.2188, 0.3398,

 2.6230, 0.1143,


0.4704


0.8857


402.1378, 0.3391,
0.4622


 0.9382, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.0383, 0.3376,
0.5702


 73.0383, 0.3376,
0.5702

 73.0420, 0.3376,
0.5702

 74.1166, 0.3429,
0.5601

 75.3969, 0.3465,
0.5448

 76.9142, 0.3478,
0.5240

 78.6886, 0.3468,
0.4988

■ 80.7375, 0.3438,
0.4704

■ 83.0763, 0.3392,
0.4406

■ 85.7190, 0.3333,
0.4107

■ 88.6786, 0.3267,
0.3817

■ 91.9672, 0.3198,
0.3543

Harmonies

Analogous

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



73.0383, 0.4448, 0.5164



73.0383, 0.3376, 0.5702



73.0383, 0.2300, 0.5110

Triad

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



73.0383, 0.3376, 0.5702



73.0383, 0.1239, 0.1730



73.0383, 0.4930, 0.2747

Complementary

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



73.0383, 0.3376, 0.5702



10.9628, 0.1974, 0.0861

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.



73.0383, 0.3654, 0.2114



73.0383, 0.3376, 0.5702



73.0383, 0.1628, 0.1557

Square

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



73.0383, 0.3376, 0.5702



73.0383, 0.1189, 0.2338



73.0383, 0.2428, 0.1697



73.0383, 0.5549, 0.3480

Rectangle

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



73.0383, 0.3376, 0.5702



73.0383, 0.1726, 0.4104



73.0383, 0.2428, 0.1697



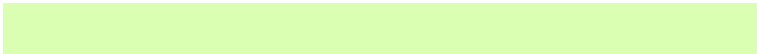
73.0383, 0.4544, 0.2520

Sweetspot

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



73.0420, 0.3376, 0.5702



89.6586, 0.3333, 0.4108



33.9579, 0.5484, 0.4027



18.9325, 0.3359, 0.4234



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.



73.0420, 0.3376, 0.5702



76.3964, 0.3375, 0.5702



68.3973, 0.3002, 0.5998



19.7498, 0.3194, 0.3530



38.8304, 0.3387, 0.5692



3.6595, 0.3476, 0.5622

Inverse Universe

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



10.9628, 0.1974, 0.0861



11.4577, 0.1973, 0.0860



26.4645, 0.3167, 0.1518



17.0550, 0.3055, 0.3050



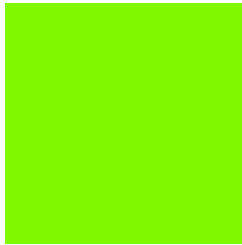
5.8999, 0.1991, 0.0870



0.6092, 0.2120, 0.0942

Previews

White Background



This preview shows how the Yxy color 73.0383, 0.3376, 0.5702 looks on a white background.

Color Contrast Check

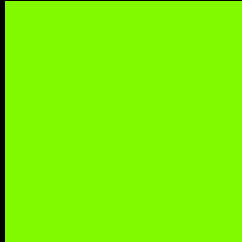
Large Text (above 18pt) WCAG AA × Fail

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 73.0383, 0.3376, 0.5702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

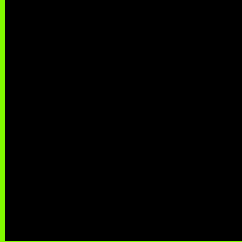
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

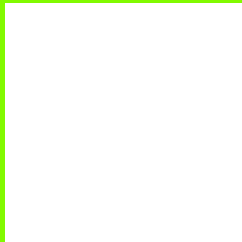
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 73.0383, 0.3376, 0.5702

Background



This preview shows how black text looks on a background with the Yxy color 73.0383, 0.3376, 0.5702.



This preview shows how white text looks on a background with the Yxy color 73.0383, 0.3376, 0.5702.

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

73.0383, 0.3376, 0.5702

Protanopia

71.8526, 0.4410, 0.4881

Deuteranopia

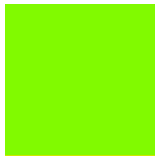
71.6530, 0.3884, 0.3917



Tritanopia

72.2553, 0.2592, 0.3072

Trichromacy



Original Color

73.0383, 0.3376, 0.5702



Protanomaly

70.6924, 0.3987, 0.5216



Deuteranomaly

69.3565, 0.3803, 0.4717



Tritanomaly

70.6606, 0.3015, 0.4294

Monochromacy



Original Color

73.0383, 0.3376, 0.5702



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.9083, 0.3408, 0.4499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0383, 0.3376, 0.5702 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(129, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 250, 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(129, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 73.0383, 0.3376, 0.5702 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(129, 250, 0) }
```

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

```
.border{ border-color:rgb(129, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 250,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 73.0383, 0.3376, 0.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 250, 0) }
```

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

```
.background{ background-color: rgb(129,  
250, 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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