

Converting Colors

$Yxy(67.7279, 0.3355, 0.5718)$

Have a look what the booklet for
Yxy(67.7279, 0.3355, 0.5718)
contains.

Yxy(67.5692, 0.3355, 0.5718)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.5692, 0.3355, 0.5718)

Conversions

Conversions Part 1

Format	Color
Hex	79F200
RGB	121, 242, 0
RGB Percent	47%, 95%, 0%
CMY	0.5252, 0.0510, 0.9996
CMYK	0.50, 0.00, 1.00, 0.05
HSL	90°, 100%, 47%
HSV	90°, 100%, 95%
XYZ	39.6458, 67.5692, 10.9543
YIQ	178.2330, 5.5660, -100.9140

Conversions

Conversions Part 2

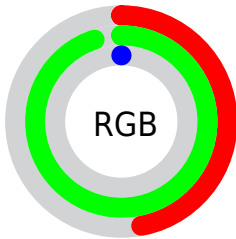
Format	Color
RYB	0, 242, 121
Decimal	7991808
CIELab	85.79, -65.17, 82.48
CIELCh	86, 105.119, 128.312
Yxy	67.5692, 0.3355, 0.5718
Android (android.graphics.Color)	4286181888 (0xFF79F200)
YUV	178.2330, -87.8689, -50.1933
Hunter-Lab	82.2005, -57.7592, 49.6392

Details

The Yxy color **67.5692, 0.3355, 0.5718** 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 **10.4782, 0.2007, 0.0879**, and the grayscale version is **45.1408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3255, 0.3527, 0.5081**, and **35.3760, 0.3117, 0.5907** is the 20% darker color. If you saturate the color by 10%, you get **67.5685, 0.3355, 0.5718**, and if you desaturate by 10%, it is **68.5692, 0.3408, 0.5615**.

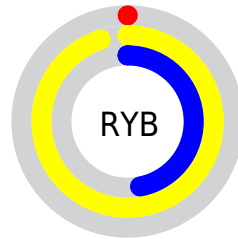
Distribution



Red (47%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (47%)

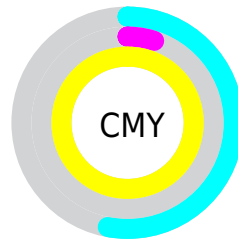


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (53%)


Magenta (5%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.5692, 0.3355, 0.5718 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 67.5692, 0.3355, 0.5718 by changing the saturation by 10% instead.


 67.5692, 0.3355,
0.5718

 67.5692, 0.3355,
0.5718

 451.9682, 0.3372,
0.4539

 49.5473, 0.3310,
0.5976


 115.7356, 0.3393,
0.5312


 35.0539, 0.3232,
0.6279


 146.6490, 0.3398,
0.5152

 23.7044, 0.3101,
0.6631


 182.6283, 0.3398,
0.5014

 15.1145, 0.2906,
0.7094

 224.0580, 0.3395,
0.4894

 8.8998, 0.2523,
0.7477

 271.3224, 0.3391,
0.4788

 4.6759, 0.1981,
0.8019

 324.8060, 0.3385,

 2.0584, 0.0332,

0.4695

0.9668

384.8931, 0.3379,
0.4612

■ 0.6411, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.5692, 0.3355,
0.5718

■ 67.5692, 0.3355,
0.5718

■ 67.5685, 0.3355,
0.5718

■ 68.5692, 0.3408,
0.5615

■ 69.7632, 0.3445,
0.5460

■ 71.1834, 0.3460,
0.5249

■ 72.8487, 0.3452,
0.4993

■ 74.7756, 0.3424,
0.4707

■ 76.9785, 0.3380,
0.4407

■ 79.4707, 0.3325,
0.4106

■ 82.2645, 0.3261,
0.3815

■ 85.3714, 0.3195,
0.3542

Harmonies

Analogous

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



67.5692, 0.4434, 0.5185



67.5692, 0.3355, 0.5718



67.5692, 0.2277, 0.5101

Triad

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



67.5692, 0.3355, 0.5718



67.5692, 0.1235, 0.1716



67.5692, 0.4958, 0.2755

Complementary

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



67.5692, 0.3355, 0.5718



10.4782, 0.2007, 0.0879

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.



67.5692, 0.3680, 0.2118



67.5692, 0.3355, 0.5718



67.5692, 0.1632, 0.1550

Square

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



67.5692, 0.3355, 0.5718



67.5692, 0.1179, 0.2317



67.5692, 0.2441, 0.1695



67.5692, 0.5564, 0.3491

Rectangle

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



67.5692, 0.3355, 0.5718



67.5692, 0.1706, 0.4081



67.5692, 0.2441, 0.1695



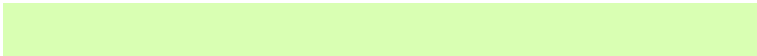
67.5692, 0.4573, 0.2527

Sweetspot

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



67.5721, 0.3355, 0.5718



89.4696, 0.3325, 0.4110



31.6021, 0.5481, 0.4030



18.8878, 0.3350, 0.4236



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.



67.5721, 0.3355, 0.5718



76.0733, 0.3353, 0.5720



63.5281, 0.3003, 0.5998



18.0447, 0.3191, 0.3529



36.3814, 0.3367, 0.5709



3.0857, 0.3466, 0.5630

Inverse Universe

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



10.4782, 0.2007, 0.0879



11.7677, 0.2004, 0.0878



24.5833, 0.3167, 0.1518



15.6168, 0.3058, 0.3051



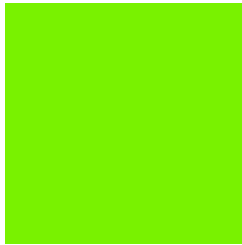
5.7076, 0.2023, 0.0888



0.5340, 0.2165, 0.0967

Previews

White Background



This preview shows how the Yxy color 67.5692, 0.3355, 0.5718 looks on a white background.

Color Contrast Check

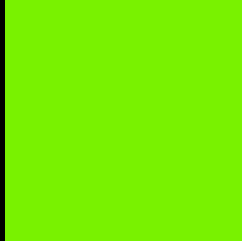
Large Text (above 18pt) WCAG AA × Fail

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 67.5692, 0.3355, 0.5718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

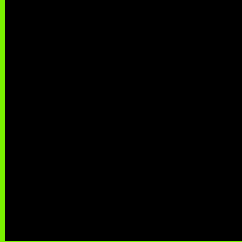
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

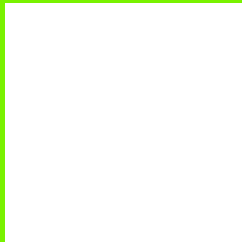
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.5692, 0.3355, 0.5718

Background



This preview shows how black text looks on a background with the Yxy color 67.5692, 0.3355, 0.5718.



This preview shows how white text looks on a background with the Yxy color 67.5692, 0.3355, 0.5718.

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

67.5692, 0.3355, 0.5718

Protanopia

66.6184, 0.4401, 0.4888

Deuteranopia

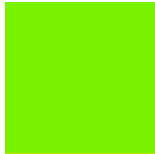
66.3031, 0.4152, 0.4139



Tritanopia

67.0938, 0.2578, 0.3076

Trichromacy



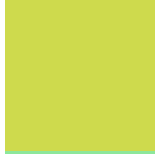
Original Color

67.5692, 0.3355, 0.5718



Protanomaly

65.1816, 0.3980, 0.5222



Deuteranomaly

63.8004, 0.3921, 0.4824



Tritanomaly

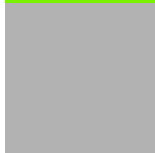
65.1811, 0.2995, 0.4292

Monochromacy



Original Color

67.5692, 0.3355, 0.5718



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

50.1336, 0.3396, 0.4508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.5692, 0.3355, 0.5718 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(121, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(121, 242, 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(121, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.5692, 0.3355, 0.5718 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(121, 242, 0) }
```

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

```
.border{ border-color:rgb(121, 242, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 242, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(121, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 67.5692, 0.3355, 0.5718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 242, 0) }
```

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

```
.background{ background-color: rgb(121,  
242, 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