

Converting Colors

$Y_{xy}(77.3675, 0.33370, 0.5519)$

Have a look what the booklet for
Yxy(77.3675, 0.3370, 0.5519)
contains.

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Color

Yxy(77.3345, 0.3368, 0.5521)

Conversions

Conversions Part 1

Format	Color
Hex	8CFF33
RGB	140, 255, 51
RGB Percent	55%, 100%, 20%
CMY	0.4508, 0.0000, 0.8003
CMYK	0.45, 0.00, 0.80, 0.00
HSL	94°, 100%, 60%
HSV	94°, 80%, 100%
XYZ	47.1767, 77.3345, 15.5621
YIQ	197.3590, -3.0560, -87.8240

Conversions

Conversions Part 2

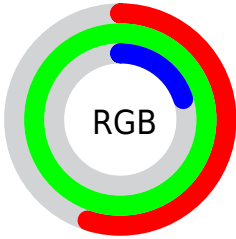
Format	Color
RYB	51, 255, 166
Decimal	9240371
CIELab	90.48, -63.06, 79.01
CIElCh	90, 101.092, 128.596
Yxy	77.3345, 0.3368, 0.5521
Android (android.graphics.Color)	4287430451 (0xFF8CFF33)
YUV	197.3590, -72.1550, -50.3038
Hunter-Lab	87.9400, -58.1362, 51.0659

Details

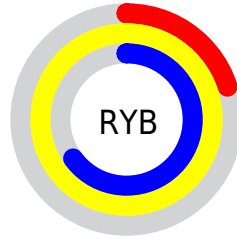
The Yxy color **77.3345, 0.3368, 0.5521** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **17.6743, 0.2348, 0.1188**, and the grayscale version is **56.5123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1753, 0.3547, 0.4800**, and **41.4690, 0.3222, 0.5823** is the 20% darker color. If you saturate the color by 10%, you get **76.0033, 0.3326, 0.5682**, and if you desaturate by 10%, it is **78.9578, 0.3390, 0.5301**.

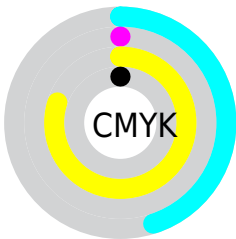
Distribution



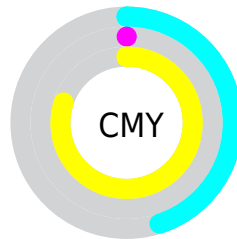
- Red (55%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (65%)



- Cyan (45%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3345, 0.3368, 0.5521 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 77.3345, 0.3368, 0.5521 by changing the saturation by 10% instead.


 77.3345, 0.3368,
0.5521

 77.3345, 0.3368,
0.5521

485.9038, 0.3358,
0.4456


 57.5275, 0.3339,
0.5754


 129.6116, 0.3389,
0.5156

 41.4289, 0.3287,
0.6031


 162.8504, 0.3390,
0.5011


 28.6543, 0.3196,
0.6358

 201.3352, 0.3387,
0.4887

 18.8195, 0.3045,
0.6754

 245.4505, 0.3383,
0.4778

 11.5399, 0.2788,
0.7212

 295.5806, 0.3377,
0.4682

 6.4312, 0.2342,
0.7658


352.1099, 0.3371,


 3.1090, 0.1651,


0.4598


0.8349


415.4228, 0.3364,
0.4523


 1.1889, 0.0000,
1.0000


 0.0526, 0.0000,
1.0000


 77.3345, 0.3368,
0.5521


 77.3345, 0.3368,
0.5521


 76.0033, 0.3326,
0.5682


 78.9578, 0.3390,
0.5301


 74.9230, 0.3271,
0.5785


 80.8875, 0.3391,
0.5035

 83.1472, 0.3372,
0.4738

 85.7551, 0.3339,
0.4428

 88.7280, 0.3294,
0.4119

 92.0813, 0.3241,
0.3822

 95.8295, 0.3185,
0.3545

99.9863, 0.3127,
0.3291

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.3345, 0.4380, 0.5095



77.3345, 0.3368, 0.5521



77.3345, 0.2349, 0.4919

Triad

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



77.3345, 0.3368, 0.5521



77.3345, 0.1342, 0.1816



77.3345, 0.4824, 0.2811

Complementary

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



77.3345, 0.3368, 0.5521



17.6743, 0.2348, 0.1188

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.



77.3345, 0.3656, 0.2198



77.3345, 0.3368, 0.5521



77.3345, 0.1729, 0.1650

Square

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



77.3345, 0.3368, 0.5521



77.3345, 0.1290, 0.2392



77.3345, 0.2504, 0.1790



77.3345, 0.5392, 0.3523

Rectangle

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



77.3345, 0.3368, 0.5521



77.3345, 0.1806, 0.4006



77.3345, 0.2504, 0.1790



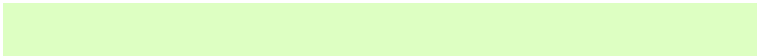
77.3345, 0.4473, 0.2590

Sweetspot

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



77.3376, 0.3368, 0.5521



90.7040, 0.3263, 0.3938



47.7510, 0.4901, 0.4258



19.1609, 0.3281, 0.4044



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.



77.3376, 0.3368, 0.5521



75.3317, 0.3294, 0.5748



72.5600, 0.2990, 0.5715



20.5561, 0.3182, 0.3531



39.2335, 0.3283, 0.5776



3.8833, 0.3370, 0.5706

Inverse Universe

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



17.6743, 0.2348, 0.1188



13.7460, 0.2174, 0.0983



30.2008, 0.3307, 0.1696



17.8825, 0.3068, 0.3051



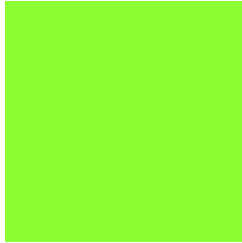
6.9438, 0.2150, 0.0958



0.7408, 0.2265, 0.1021

Previews

White Background



This preview shows how the Yxy color 77.3345, 0.3368, 0.5521 looks on a white background.

Color Contrast Check

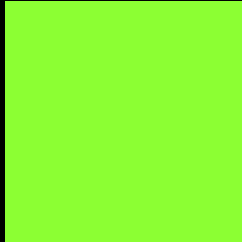
Large Text (above 18pt) WCAG AA × Fail

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 77.3345, 0.3368, 0.5521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

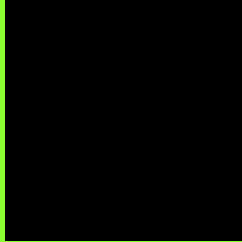
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

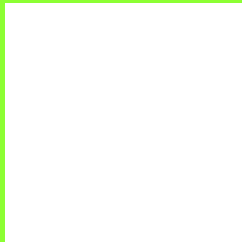
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.3345, 0.3368, 0.5521

Background



This preview shows how black text looks on a background with the Yxy color 77.3345, 0.3368, 0.5521.



This preview shows how white text looks on a background with the Yxy color 77.3345, 0.3368, 0.5521.

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

77.3345, 0.3368, 0.5521

Protanopia

76.3800, 0.4349, 0.4803

Deuteranopia

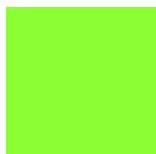
76.0680, 0.3701, 0.3762



Tritanopia

76.7870, 0.2647, 0.3090

Trichromacy



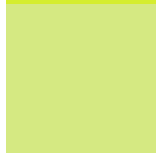
Original Color

77.3345, 0.3368, 0.5521



Protanomaly

74.9197, 0.3955, 0.5088



Deuteranomaly

74.0357, 0.3632, 0.4437



Tritanomaly

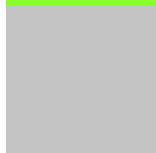
75.7189, 0.2977, 0.4055

Monochromacy



Original Color

77.3345, 0.3368, 0.5521



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.3865, 0.3309, 0.4231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3345, 0.3368, 0.5521 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(140, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 51)  
}
```

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(140, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 77.3345, 0.3368, 0.5521 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(140, 255, 51) }
```

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

```
.border{ border-color:rgb(140, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3345, 0.3368, 0.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 51) }
```

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

```
.background{ background-color: rgb(140,  
255, 51) }
```

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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