

Converting Colors

$Y_{xy}(66.0070, 0.3329, 0.5538)$

Have a look what the booklet for
Yxy(66.0070, 0.3329, 0.5538)
contains.

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Color

Yxy(66.3147, 0.3329, 0.5536)

Conversions

Conversions Part 1

Format	Color
Hex	7DEF31
RGB	125, 239, 49
RGB Percent	49%, 94%, 19%
CMY	0.5098, 0.0627, 0.8081
CMYK	0.48, 0.00, 0.80, 0.06
HSL	96°, 86%, 56%
HSV	96°, 80%, 94%
XYZ	39.8775, 66.3147, 13.5960
YIQ	183.2540, -6.9540, -83.2580

Conversions

Conversions Part 2

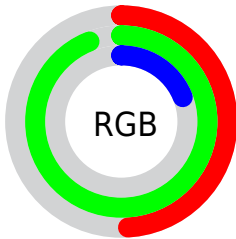
Format	Color
R_{YB}	49, 239, 163
Decimal	8253233
CIE _{Lab}	85.16, -61.71, 74.44
CIE _{LCh}	85, 96.694, 129.657
Yxy	66.3147, 0.3329, 0.5536
Android (android.graphics.Color)	4286443313 (0xFF7DEF31)
YUV	183.2540, -66.1872, -51.0888
Hunter-Lab	81.4338, -55.0993, 47.1048

Details

The Yxy color **66.3147, 0.3329, 0.5536** 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 **16.2036, 0.2423, 0.1236**, and the grayscale version is **47.8723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1068, 0.3464, 0.4890**, and **34.3857, 0.3164, 0.5870** is the 20% darker color. If you saturate the color by 10%, you get **65.1645, 0.3288, 0.5704**, and if you desaturate by 10%, it is **67.7332, 0.3352, 0.5308**.

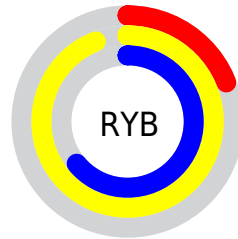
Distribution



Red (49%)

Green (94%)

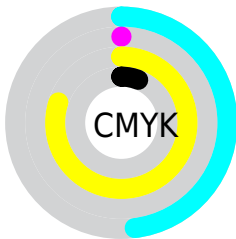
Blue (19%)



Red (19%)

Yellow (94%)

Blue (64%)

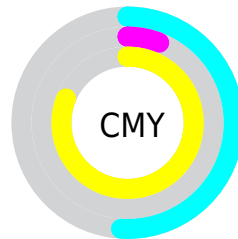


Cyan (48%)

Magenta (0%)

Yellow (80%)

Black (6%)



Cyan (51%)


Magenta (6%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3147, 0.3329, 0.5536 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 66.3147, 0.3329, 0.5536 by changing the saturation by 10% instead.


 66.3147, 0.3329,
0.5536


 66.3147, 0.3329,
0.5536


447.5015, 0.3333,
0.4429


 48.5279, 0.3294,
0.5787


 113.9379, 0.3356,
0.5149

 34.2451, 0.3233,
0.6088


 144.5431, 0.3359,
0.4998


 23.0820, 0.3124,
0.6449


 180.1899, 0.3358,
0.4869

 14.6541, 0.2959,
0.6928

 221.2627, 0.3355,
0.4757

 8.5770, 0.2620,
0.7380

 268.1458, 0.3350,
0.4659

 4.4663, 0.2086,
0.7914

321.2237, 0.3345,

 1.9377, 0.0436,

0.4573

380.8808, 0.3339,
0.4497

0.9564

0.5709, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.3147, 0.3329,
0.5536

66.3147, 0.3329,
0.5536

65.1645, 0.3288,
0.5704

67.7332, 0.3352,
0.5308


64.2435, 0.3233,
0.5813


69.4324, 0.3355,
0.5034

64.2041, 0.3230,
0.5817


71.4336, 0.3341,
0.4731


73.7533, 0.3313,
0.4417

 76.4068, 0.3273,
0.4105

 79.4081, 0.3227,
0.3808

 82.7704, 0.3176,
0.3531

 86.5061, 0.3125,
0.3279

 90.0310, 0.3128,
0.3136

Harmonies

Analogous

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



66.3147, 0.4351, 0.5129



66.3147, 0.3329, 0.5536



66.3147, 0.2309, 0.4890

Triad

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



66.3147, 0.3329, 0.5536



66.3147, 0.1341, 0.1795



66.3147, 0.4869, 0.2831

Complementary

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



66.3147, 0.3329, 0.5536



16.2036, 0.2423, 0.1236

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.



66.3147, 0.3704, 0.2211



66.3147, 0.3329, 0.5536



66.3147, 0.1742, 0.1643

Square

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



66.3147, 0.3329, 0.5536



66.3147, 0.1277, 0.2356



66.3147, 0.2535, 0.1793



66.3147, 0.5410, 0.3547

Rectangle

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



66.3147, 0.3329, 0.5536



66.3147, 0.1774, 0.3959



66.3147, 0.2535, 0.1793



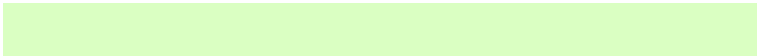
66.3147, 0.4522, 0.2609

Sweetspot

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



66.3175, 0.3329, 0.5536



90.3566, 0.3248, 0.3941



43.6486, 0.4816, 0.4318



19.0782, 0.3265, 0.4048



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.



66.3175, 0.3329, 0.5536



74.8442, 0.3256, 0.5772



62.7666, 0.2975, 0.5645



17.9650, 0.3176, 0.3530



35.5502, 0.3242, 0.5808



3.0138, 0.3344, 0.5727

Inverse Universe

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



16.2036, 0.2423, 0.1236



14.7757, 0.2261, 0.1034



25.8796, 0.3376, 0.1746



15.6976, 0.3074, 0.3053



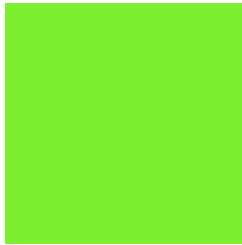
6.7668, 0.2232, 0.1003



0.6206, 0.2358, 0.1072

Previews

White Background



This preview shows how the Yxy color 66.3147, 0.3329, 0.5536 looks on a white background.

Color Contrast Check

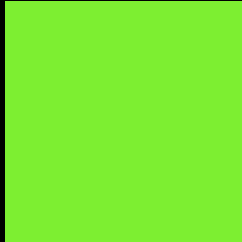
Large Text (above 18pt) WCAG AA × Fail

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 66.3147, 0.3329, 0.5536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

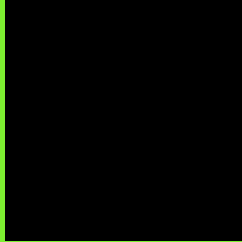
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3147, 0.3329, 0.5536

Background



This preview shows how black text looks on a background with the Yxy color 66.3147, 0.3329, 0.5536.

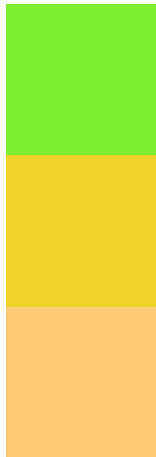


This preview shows how white text looks on a background with the Yxy color 66.3147, 0.3329, 0.5536.

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

66.3147, 0.3329, 0.5536

Protanopia

65.4313, 0.4343, 0.4799

Deuteranopia

65.2097, 0.4204, 0.4174



Tritanopia

66.0352, 0.2601, 0.3087

Trichromacy



Original Color

66.3147, 0.3329, 0.5536



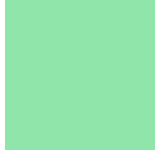
Protanomaly

64.3023, 0.3932, 0.5095



Deuteranomaly

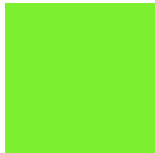
63.2770, 0.3883, 0.4684



Tritanomaly

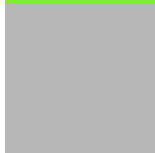
64.9082, 0.2923, 0.4048

Monochromacy



Original Color

66.3147, 0.3329, 0.5536



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.1145, 0.3294, 0.4232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3147, 0.3329, 0.5536 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(125, 239, 49)` looks like.

```
.text, #text, p{  
    color:rgb(125, 239, 49)  
}
```

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(125, 239, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 239, 49) }
```

Border

The CSS property to change the border of an element to Yxy 66.3147, 0.3329, 0.5536 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(125, 239, 49) }
```

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

```
.border{ border-color:rgb(125, 239, 49) }
```

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

Here you see how a box with a 4 pixel rgb(125, 239, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 239, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 239, 49);  
box-shadow:4px 4px 4px 4px rgb(125, 239,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3147, 0.3329, 0.5536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 239, 49) }
```

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

```
.background{ background-color: rgb(125,  
239, 49) }
```

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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