

Converting Colors

$Y_{xy}(67.1667, 0.3310, 0.5754)$

Have a look what the booklet for
Yxy(67.1667, 0.3310, 0.5754)
contains.

Yxy(67.0150, 0.3311, 0.5753)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.0150, 0.3311, 0.5753)

Conversions

Conversions Part 1

Format	Color
Hex	71F200
RGB	113, 242, 0
RGB Percent	44%, 95%, 0%
CMY	0.5566, 0.0510, 0.9998
CMYK	0.53, 0.00, 1.00, 0.05
HSL	92°, 100%, 47%
HSV	92°, 100%, 95%
XYZ	38.5689, 67.0150, 10.9032
YIQ	175.8410, 0.7980, -102.6100

Conversions

Conversions Part 2

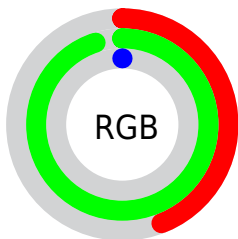
Format	Color
RYB	0, 242, 129
Decimal	7467520
CIELab	85.51, -67.38, 82.15
CIELCh	86, 106.244, 129.360
Yxy	67.0150, 0.3311, 0.5753
Android (android.graphics.Color)	4285657600 (0xFF71F200)
YUV	175.8410, -86.6896, -55.1116
Hunter-Lab	81.8627, -59.1611, 49.4071

Details

The Yxy color **67.0150, 0.3311, 0.5753** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark saturated chartreuse. A complement of this color would be **11.0784, 0.2073, 0.0916**, and the grayscale version is **43.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4883, 0.3481, 0.5110**, and **35.0730, 0.3066, 0.5948** is the 20% darker color. If you saturate the color by 10%, you get **67.0155, 0.3311, 0.5753**, and if you desaturate by 10%, it is **68.0025, 0.3366, 0.5649**.

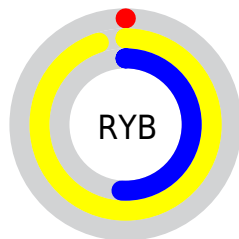
Distribution



Red (44%)

Green (95%)

Blue (0%)



Red (0%)

Yellow (95%)

Blue (51%)

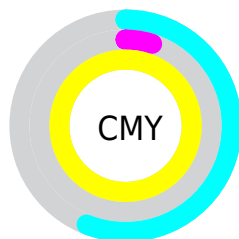


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (5%)



Cyan (56%)


Magenta (5%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0150, 0.3311, 0.5753 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 67.0150, 0.3311, 0.5753 by changing the saturation by 10% instead.

 67.0150, 0.3311,
0.5753

 67.0150, 0.3311,
0.5753


 449.9982, 0.3350,
0.4550

 49.0968, 0.3261,
0.6018


 114.9419, 0.3357,
0.5338

 34.6963, 0.3176,
0.6329


 145.7194, 0.3365,
0.5174


 23.4290, 0.3036,
0.6694


 181.5522, 0.3367,
0.5033

 14.9106, 0.2828,
0.7172

 222.8245, 0.3367,
0.4911

 8.7567, 0.2431,
0.7569

 269.9209, 0.3364,
0.4803

 4.5828, 0.1872,
0.8128


 323.2257, 0.3360,

 2.0046, 0.0000,


0.4709


1.0000


383.1233, 0.3355,
0.4625

 0.6102, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.0150, 0.3311,
0.5753


 67.0150, 0.3311,
0.5753

 67.0155, 0.3311,
0.5753


 68.0025, 0.3366,
0.5649


 69.1967, 0.3405,
0.5489


 70.6310, 0.3423,
0.5273

 72.3251, 0.3420,
0.5012

 74.2962, 0.3397,
0.4720

 76.5595, 0.3358,
0.4415

 79.1289, 0.3308,
0.4111

 82.0175, 0.3251,
0.3817

 85.2372, 0.3189,
0.3542

Harmonies

Analogous

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



67.0150, 0.4404, 0.5229



67.0150, 0.3311, 0.5753



67.0150, 0.2229, 0.5083

Triad

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



67.0150, 0.3311, 0.5753



67.0150, 0.1227, 0.1688



67.0150, 0.5018, 0.2772

Complementary

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



67.0150, 0.3311, 0.5753



11.0784, 0.2073, 0.0916

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.



67.0150, 0.3734, 0.2125



67.0150, 0.3311, 0.5753



67.0150, 0.1638, 0.1534

Square

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



67.0150, 0.3311, 0.5753



67.0150, 0.1157, 0.2272



67.0150, 0.2469, 0.1691



67.0150, 0.5596, 0.3514

Rectangle

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



67.0150, 0.3311, 0.5753



67.0150, 0.1664, 0.4033



67.0150, 0.2469, 0.1691



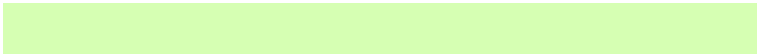
67.0150, 0.4636, 0.2541

Sweetspot

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



67.0179, 0.3311, 0.5753



89.0856, 0.3309, 0.4114



33.5598, 0.5382, 0.4109



18.7972, 0.3331, 0.4242



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.



67.0179, 0.3311, 0.5753



75.4496, 0.3309, 0.5755



63.5119, 0.2998, 0.5992



18.0182, 0.3186, 0.3529



36.0820, 0.3323, 0.5744



3.0604, 0.3424, 0.5663

Inverse Universe

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



11.0784, 0.2073, 0.0916



12.4452, 0.2070, 0.0914



25.0491, 0.3252, 0.1565



15.6434, 0.3063, 0.3052



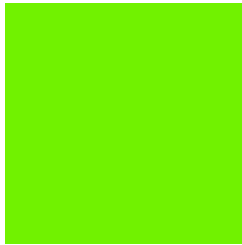
6.0318, 0.2089, 0.0925



0.5610, 0.2227, 0.1001

Previews

White Background



This preview shows how the Yxy color 67.0150, 0.3311, 0.5753 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 67.0150, 0.3311, 0.5753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

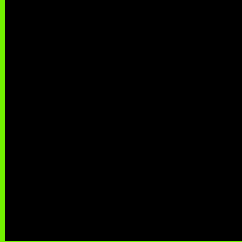
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

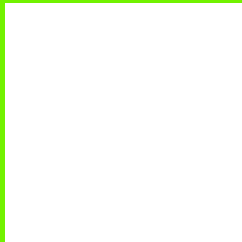
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0150, 0.3311, 0.5753

Background



This preview shows how black text looks on a background with the Yxy color 67.0150, 0.3311, 0.5753.



This preview shows how white text looks on a background with the Yxy color 67.0150, 0.3311, 0.5753.

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

67.0150, 0.3311, 0.5753

Protanopia

65.9392, 0.4402, 0.4887

Deuteranopia

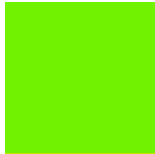
65.7301, 0.4185, 0.4165



Tritanopia

66.5245, 0.2548, 0.3074

Trichromacy



Original Color

67.0150, 0.3311, 0.5753



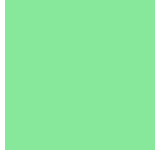
Protanomaly

64.6488, 0.3948, 0.5247



Deuteranomaly

63.3337, 0.3909, 0.4861



Tritanomaly

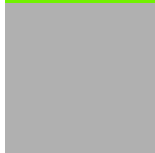
64.6693, 0.2960, 0.4303

Monochromacy



Original Color

67.0150, 0.3311, 0.5753



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.2507, 0.3373, 0.4524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0150, 0.3311, 0.5753 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(113, 242, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 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(113, 242, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 242, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.0150, 0.3311, 0.5753 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(113, 242, 0) }
```

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

```
.border{ border-color:rgb(113, 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(113, 242, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 242, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 242, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 242,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0150, 0.3311, 0.5753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 242, 0) }
```

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

```
.background{ background-color: rgb(113,  
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](#).

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