

Converting Colors

$Y_{xy}(59.7062, 0.3336, 0.5734)$

Have a look what the booklet for
Yxy(59.7062, 0.3336, 0.5734)
contains.

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Color

Yxy(59.9731, 0.3333, 0.5736)

Conversions

Conversions Part 1

Format	Color
Hex	6FE600
RGB	111, 230, 0
RGB Percent	44%, 90%, 0%
CMY	0.5648, 0.0980, 1.0000
CMYK	0.52, 0.00, 1.00, 0.10
HSL	91°, 100%, 45%
HSV	91°, 100%, 90%
XYZ	34.8484, 59.9731, 9.7341
YIQ	168.1990, 2.9060, -96.7580

Conversions

Conversions Part 2

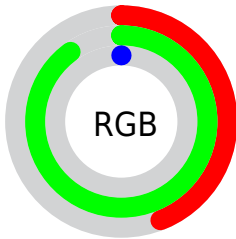
Format	Color
RYB	0, 230, 119
Decimal	7333376
CIELab	81.82, -63.79, 79.23
CIELCh	82, 101.720, 128.837
Yxy	59.9731, 0.3333, 0.5736
Android (android.graphics.Color)	4285523456 (0xFF6FE600)
YUV	168.1990, -82.9221, -50.1635
Hunter-Lab	77.4423, -55.2005, 46.7571

Details

The Yxy color **59.9731, 0.3333, 0.5736** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **9.6387, 0.2044, 0.0900**, and the grayscale version is **39.6730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1088, 0.3468, 0.5138**, and **30.2805, 0.3079, 0.5937** is the 20% darker color. If you saturate the color by 10%, you get **59.9760, 0.3333, 0.5736**, and if you desaturate by 10%, it is **60.8620, 0.3386, 0.5630**.

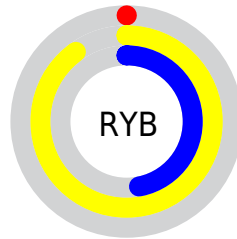
Distribution



Red (44%)

Green (90%)

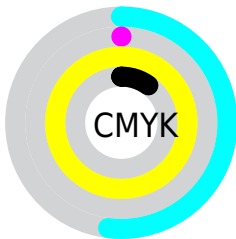
Blue (0%)



Red (0%)

Yellow (90%)

Blue (47%)

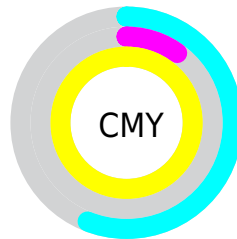


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (56%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9731, 0.3333, 0.5736 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 59.9731, 0.3333, 0.5736 by changing the saturation by 10% instead.


 59.9731, 0.3333,
0.5736


 59.9731, 0.3333,
0.5736


424.4986, 0.3359,
0.4520

 43.3970, 0.3283,
0.6008

 104.7906, 0.3375,
0.5312


 30.1967, 0.3196,
0.6331

 133.8008, 0.3382,
0.5146


 19.9879, 0.3049,
0.6713


 167.7245, 0.3383,
0.5004

 12.3863, 0.2814,
0.7186

 206.9460, 0.3380,
0.4881

 7.0073, 0.2384,
0.7616

 251.8498, 0.3376,
0.4773

 3.4667, 0.1757,
0.8243

 302.8202, 0.3371,

 1.3800, 0.0000,

0.4678

1.0000

360.2417, 0.3365,
0.4595

■ 0.2019, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9731, 0.3333,
0.5736

■ 59.9731, 0.3333,
0.5736

■ 59.9760, 0.3333,
0.5736

■ 60.8620, 0.3386,
0.5630

■ 61.9282, 0.3424,
0.5472

■ 63.2018, 0.3440,
0.5258

■ 64.6999, 0.3434,
0.4999

■ 66.4371, 0.3409,
0.4711

■ 68.4267, 0.3368,
0.4409

■ 70.6807, 0.3315,
0.4107

■ 73.2102, 0.3256,
0.3816

■ 76.0257, 0.3192,
0.3542

Harmonies

Analogous

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



59.9731, 0.4419, 0.5207



59.9731, 0.3333, 0.5736



59.9731, 0.2253, 0.5092

Triad

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



59.9731, 0.3333, 0.5736



59.9731, 0.1231, 0.1702



59.9731, 0.4989, 0.2764

Complementary

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



59.9731, 0.3333, 0.5736



9.6387, 0.2044, 0.0900

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.



59.9731, 0.3707, 0.2122



59.9731, 0.3333, 0.5736



59.9731, 0.1634, 0.1542

Square

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



59.9731, 0.3333, 0.5736



59.9731, 0.1168, 0.2294



59.9731, 0.2455, 0.1693



59.9731, 0.5581, 0.3503

Rectangle

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



59.9731, 0.3333, 0.5736



59.9731, 0.1685, 0.4057



59.9731, 0.2455, 0.1693



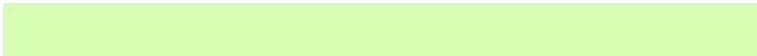
59.9731, 0.4605, 0.2534

Sweetspot

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



59.9760, 0.3333, 0.5736



89.2632, 0.3316, 0.4112



29.9796, 0.5378, 0.4112



18.8391, 0.3340, 0.4239



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.



59.9760, 0.3333, 0.5736



75.7326, 0.3329, 0.5739



56.6071, 0.2998, 0.5992



16.4286, 0.3188, 0.3528



34.0241, 0.3344, 0.5727



2.5693, 0.3456, 0.5638

Inverse Universe

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



9.6387, 0.2044, 0.0900



12.1237, 0.2039, 0.0897



22.3251, 0.3252, 0.1565



14.2522, 0.3061, 0.3053



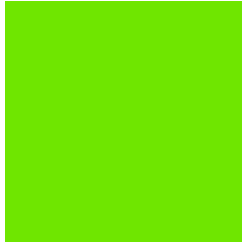
5.5296, 0.2060, 0.0909



0.4639, 0.2216, 0.0994

Previews

White Background



This preview shows how the Yxy color 59.9731, 0.3333, 0.5736 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 59.9731, 0.3333, 0.5736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

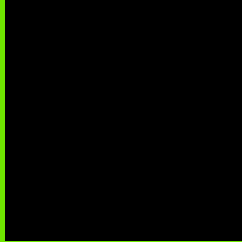
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

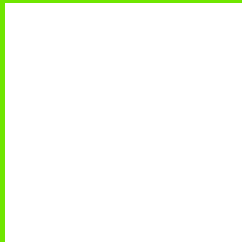
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.9731, 0.3333, 0.5736

Background



This preview shows how black text looks on a background with the Yxy color 59.9731, 0.3333, 0.5736.



This preview shows how white text looks on a background with the Yxy color 59.9731, 0.3333, 0.5736.

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

59.9731, 0.3333, 0.5736

Protanopia

58.7350, 0.4412, 0.4879

Deuteranopia

58.9753, 0.4630, 0.4533



Tritanopia

59.7023, 0.2567, 0.3077

Trichromacy



Original Color

59.9731, 0.3333, 0.5736



Protanomaly

57.4013, 0.3969, 0.5231



Deuteranomaly

56.7929, 0.4123, 0.5018



Tritanomaly

58.1183, 0.2978, 0.4304

Monochromacy



Original Color

59.9731, 0.3333, 0.5736



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.5262, 0.3379, 0.4516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.9731, 0.3333, 0.5736 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(111, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 230, 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(111, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 230, 0) }
```

Border

The CSS property to change the border of an element to Yxy 59.9731, 0.3333, 0.5736 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(111, 230, 0) }
```

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

```
.border{ border-color:rgb(111, 230, 0) }
```

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

Here you see how a box with a 4 pixel rgb(111, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 230,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 59.9731, 0.3333, 0.5736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 230, 0) }
```

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

```
.background{ background-color: rgb(111,  
230, 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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