

Converting Colors

Yxy(62.8469, 0.3344, 0.5727)

Have a look what the booklet for
Yxy(62.8469, 0.3344, 0.5727)
contains.

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Color

Yxy(63.0615, 0.3341, 0.5729)

Conversions

Conversions Part 1

Format	Color
Hex	73EB00
RGB	115, 235, 0
RGB Percent	45%, 92%, 0%
CMY	0.5492, 0.0784, 0.9994
CMYK	0.51, 0.00, 1.00, 0.08
HSL	91°, 100%, 46%
HSV	91°, 100%, 92%
XYZ	36.7758, 63.0615, 10.2369
YIQ	172.3300, 3.9150, -98.5250

Conversions

Conversions Part 2

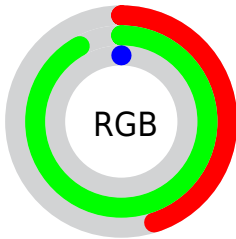
Format	Color
RYB	0, 235, 120
Decimal	7596800
CIELab	83.47, -64.43, 80.57
CIELCh	83, 103.158, 128.649
Yxy	63.0615, 0.3341, 0.5729
Android (android.graphics.Color)	4285786880 (0xFF73EB00)
YUV	172.3300, -84.9587, -50.2784
Hunter-Lab	79.4113, -56.3054, 47.9448

Details

The Yxy color **63.0615, 0.3341, 0.5729** 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 **10.0078, 0.2031, 0.0893**, and the grayscale version is **41.8744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5884, 0.3491, 0.5114**, and **32.3544, 0.3097, 0.5923** is the 20% darker color. If you saturate the color by 10%, you get **63.0590, 0.3341, 0.5730**, and if you desaturate by 10%, it is **63.9961, 0.3394, 0.5625**.

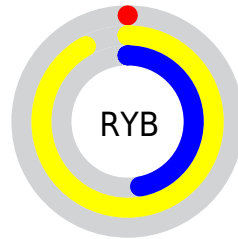
Distribution



Red (45%)

Green (92%)

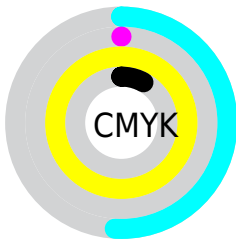
Blue (0%)



Red (0%)

Yellow (92%)

Blue (47%)

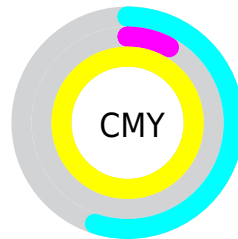


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (55%)


Magenta (8%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0615, 0.3341, 0.5729 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 63.0615, 0.3341, 0.5729 by changing the saturation by 10% instead.


 63.0615, 0.3341,
0.5729

 63.0615, 0.3341,
0.5729


435.7926, 0.3364,
0.4528


 45.8910, 0.3293,
0.5995

 109.2582, 0.3382,
0.5313


 32.1598, 0.3210,
0.6310


 139.0532, 0.3387,
0.5149

 21.4836, 0.3069,
0.6678


 173.8251, 0.3388,
0.5008

 13.4779, 0.2851,
0.7149

 213.9584, 0.3386,
0.4886

 7.7585, 0.2442,
0.7558

 259.8374, 0.3381,
0.4780

 3.9408, 0.1857,
0.8143

 311.8465, 0.3376,

 1.6405, 0.0000,

0.4686

1.0000

370.3701, 0.3370,
0.4602

■ 0.3847, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0615, 0.3341,
0.5729

■ 63.0615, 0.3341,
0.5729

■ 63.0590, 0.3341,
0.5730

■ 63.9961, 0.3394,
0.5625

■ 65.1158, 0.3432,
0.5467

■ 66.4511, 0.3447,
0.5254

■ 68.0199, 0.3441,
0.4996

■ 69.8376, 0.3414,
0.4709

■ 71.9179, 0.3372,
0.4407

■ 74.2735, 0.3319,
0.4106

■ 76.9159, 0.3257,
0.3814

■ 79.8559, 0.3193,
0.3541

Harmonies

Analogous

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



63.0615, 0.4424, 0.5199



63.0615, 0.3341, 0.5729



63.0615, 0.2262, 0.5095

Triad

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



63.0615, 0.3341, 0.5729



63.0615, 0.1233, 0.1707



63.0615, 0.4977, 0.2761

Complementary

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



63.0615, 0.3341, 0.5729



10.0078, 0.2031, 0.0893

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.



63.0615, 0.3697, 0.2121



63.0615, 0.3341, 0.5729



63.0615, 0.1634, 0.1545

Square

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



63.0615, 0.3341, 0.5729



63.0615, 0.1172, 0.2302



63.0615, 0.2450, 0.1694



63.0615, 0.5574, 0.3499

Rectangle

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



63.0615, 0.3341, 0.5729



63.0615, 0.1693, 0.4066



63.0615, 0.2450, 0.1694



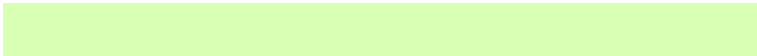
63.0615, 0.4593, 0.2531

Sweetspot

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



63.0642, 0.3341, 0.5729



89.3383, 0.3320, 0.4111



30.5207, 0.5428, 0.4071



18.8568, 0.3343, 0.4238



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.



63.0642, 0.3341, 0.5729



75.8551, 0.3338, 0.5732



59.4226, 0.3000, 0.6000



17.2236, 0.3189, 0.3528



35.1680, 0.3352, 0.5720



2.8186, 0.3458, 0.5637

Inverse Universe

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



10.0078, 0.2031, 0.0893



11.9921, 0.2026, 0.0890



23.6652, 0.3209, 0.1542



14.9274, 0.3060, 0.3052



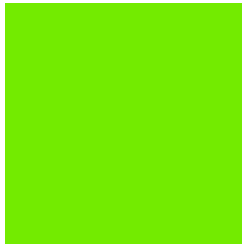
5.6412, 0.2046, 0.0901



0.5002, 0.2195, 0.0983

Previews

White Background



This preview shows how the Yxy color 63.0615, 0.3341, 0.5729 looks on a white background.

Color Contrast Check

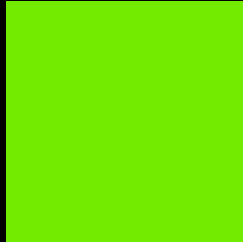
Large Text (above 18pt) WCAG AA × Fail

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 63.0615, 0.3341, 0.5729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

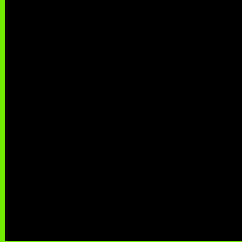
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

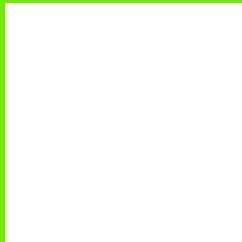
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.0615, 0.3341, 0.5729

Background



This preview shows how black text looks on a background with the Yxy color 63.0615, 0.3341, 0.5729.



This preview shows how white text looks on a background with the Yxy color 63.0615, 0.3341, 0.5729.

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

63.0615, 0.3341, 0.5729

Protanopia

61.9493, 0.4407, 0.4883

Deuteranopia

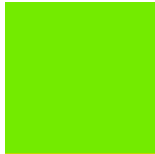
61.8326, 0.4434, 0.4365



Tritanopia

62.4020, 0.2570, 0.3070

Trichromacy



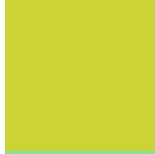
Original Color

63.0615, 0.3341, 0.5729



Protanomaly

60.5729, 0.3974, 0.5227



Deuteranomaly

59.6922, 0.4038, 0.4934



Tritanomaly

60.6642, 0.2986, 0.4298

Monochromacy



Original Color

63.0615, 0.3341, 0.5729



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

46.7353, 0.3382, 0.4505

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0615, 0.3341, 0.5729 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(115, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(115, 235, 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(115, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 235, 0) }
```

Border

The CSS property to change the border of an element to Yxy 63.0615, 0.3341, 0.5729 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(115, 235, 0) }
```

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

```
.border{ border-color:rgb(115, 235, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 235, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(115, 235,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0615, 0.3341, 0.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 235, 0) }
```

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

```
.background{ background-color: rgb(115,  
235, 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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