

Converting Colors

$Yxy(67.7805, 0.3603, 0.5364)$

Have a look what the booklet for
Yxy(67.7805, 0.3603, 0.5364)
contains.

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Color

Yxy(67.9593, 0.3598, 0.5367)

Conversions

Conversions Part 1

Format	Color
Hex	A3EC2C
RGB	163, 236, 44
RGB Percent	64%, 93%, 17%
CMY	0.3607, 0.0745, 0.8272
CMYK	0.31, 0.00, 0.81, 0.07
HSL	83°, 83%, 55%
HSV	83°, 81%, 93%
XYZ	45.5594, 67.9593, 13.1056
YIQ	192.2850, 18.1240, -75.1880

Conversions

Conversions Part 2

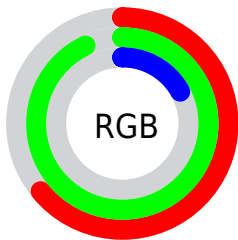
Format	Color
RYB	44, 236, 117
Decimal	10742828
CIELab	85.99, -48.29, 77.09
CIELCh	86, 90.965, 122.063
Yxy	67.9593, 0.3598, 0.5367
Android (android.graphics.Color)	4288932908 (0xFFA3EC2C)
YUV	192.2850, -73.1045, -25.6829
Hunter-Lab	82.4374, -45.6166, 48.2805

Details

The Yxy color **67.9593, 0.3598, 0.5367** 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 **11.6484, 0.2026, 0.1009**, and the grayscale version is **53.3251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2907, 0.3729, 0.4778**, and **35.5856, 0.3479, 0.5620** is the 20% darker color. If you saturate the color by 10%, you get **66.9180, 0.3572, 0.5499**, and if you desaturate by 10%, it is **69.1746, 0.3600, 0.5183**.

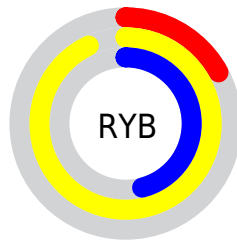
Distribution



Red (64%)

Green (93%)

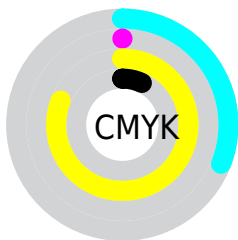
Blue (17%)



Red (17%)

Yellow (93%)

Blue (46%)

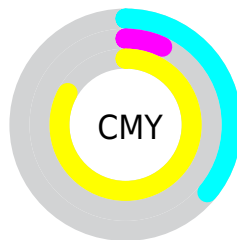


Cyan (31%)

Magenta (0%)

Yellow (81%)

Black (7%)



Cyan (36%)


Magenta (7%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9593, 0.3598, 0.5367 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 67.9593, 0.3598, 0.5367 by changing the saturation by 10% instead.


 67.9593, 0.3598,
0.5367

 67.9593, 0.3598,
0.5367


453.3518, 0.3473,
0.4376


 49.8646, 0.3593,
0.5582


 116.2939, 0.3580,
0.5028


 35.3058, 0.3569,
0.5834


 147.3026, 0.3565,
0.4894

 23.8986, 0.3507,
0.6130

 183.3849, 0.3549,
0.4778

 15.2584, 0.3410,
0.6524

 224.9249, 0.3533,
0.4677

 9.0009, 0.3146,
0.6854

 272.3073, 0.3517,
0.4588

 4.7418, 0.2725,
0.7275

325.9163, 0.3501,

 2.0966, 0.1936,


0.4509


0.8064


386.1363, 0.3487,
0.4439

 0.6627, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.9593, 0.3598,
0.5367


 67.9593, 0.3598,
0.5367


 66.9180, 0.3572,
0.5499


 69.1746, 0.3600,
0.5183

 66.1261, 0.3533,
0.5577

 70.5711, 0.3577,
0.4955

 72.1657, 0.3533,
0.4695


 73.9704, 0.3470,
0.4415

 75.9961, 0.3395,
0.4128

 78.2530, 0.3312,
0.3846

 80.7503, 0.3226,
0.3575

 83.4967, 0.3139,
0.3322

 86.4051, 0.3062,
0.3103

Harmonies

Analogous

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



67.9593, 0.4529, 0.4873



67.9593, 0.3598, 0.5367



67.9593, 0.2604, 0.5020

Triad

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



67.9593, 0.3598, 0.5367



67.9593, 0.1381, 0.1973



67.9593, 0.4515, 0.2703

Complementary

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



67.9593, 0.3598, 0.5367



11.6484, 0.2026, 0.1009

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.



67.9593, 0.3375, 0.2146



67.9593, 0.3598, 0.5367



67.9593, 0.1683, 0.1732

Square

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



67.9593, 0.3598, 0.5367



67.9593, 0.1407, 0.2640



67.9593, 0.2345, 0.1805



67.9593, 0.5216, 0.3380

Rectangle

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



67.9593, 0.3598, 0.5367



67.9593, 0.2033, 0.4256



67.9593, 0.2345, 0.1805



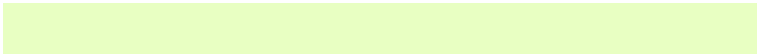
67.9593, 0.4155, 0.2499

Sweetspot

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



67.9623, 0.3598, 0.5367



92.5168, 0.3336, 0.3923



30.1511, 0.5318, 0.3900



19.5954, 0.3366, 0.4024



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.



67.9623, 0.3598, 0.5367



79.0031, 0.3540, 0.5562



61.4627, 0.3082, 0.5748



17.3244, 0.3209, 0.3527



36.5267, 0.3543, 0.5569



2.9231, 0.3633, 0.5498

Inverse Universe

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



11.6484, 0.2026, 0.1009



10.0467, 0.1816, 0.0780



21.6250, 0.2935, 0.1485



14.8280, 0.3039, 0.3051



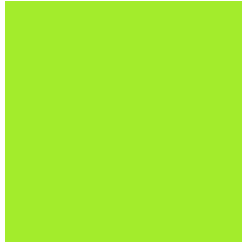
4.5976, 0.1815, 0.0773



0.4147, 0.1969, 0.0858

Previews

White Background



This preview shows how the Yxy color 67.9593, 0.3598, 0.5367 looks on a white background.

Color Contrast Check

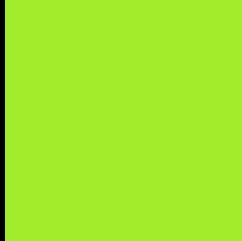
Large Text (above 18pt) WCAG AA × Fail

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 67.9593, 0.3598, 0.5367 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 67.9593, 0.3598, 0.5367

Background



This preview shows how black text looks on a background with the Yxy color 67.9593, 0.3598, 0.5367.



This preview shows how white text looks on a background with the Yxy color 67.9593, 0.3598, 0.5367.

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

67.9593, 0.3598, 0.5367

Protanopia

67.4416, 0.4352, 0.4817

Deuteranopia

66.9611, 0.4099, 0.4084



Tritanopia

67.7399, 0.2793, 0.3095

Trichromacy



Original Color

67.9593, 0.3598, 0.5367



Protanomaly

67.0747, 0.4064, 0.5029



Deuteranomaly

66.0184, 0.3961, 0.4580



Tritanomaly

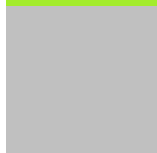
66.6477, 0.3168, 0.4019

Monochromacy



Original Color

67.9593, 0.3598, 0.5367



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.7705, 0.3409, 0.4189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9593, 0.3598, 0.5367 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(163, 236, 44)` looks like.

```
.text, #text, p{  
    color:rgb(163, 236, 44)  
}
```

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(163, 236, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 236, 44) }
```

Border

The CSS property to change the border of an element to Yxy 67.9593, 0.3598, 0.5367 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(163, 236, 44) }
```

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

```
.border{ border-color:rgb(163, 236, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 236, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 236, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 236, 44);  
box-shadow:4px 4px 4px 4px rgb(163, 236,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9593, 0.3598, 0.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 236, 44) }
```

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

```
.background{ background-color: rgb(163,  
236, 44) }
```

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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