

Converting Colors

Yxy(67.3261, 0.3573, 0.5545)

Have a look what the booklet for
Yxy(67.3261, 0.3573, 0.5545)
contains.

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Color

Yxy(67.3407, 0.3575, 0.5544)

Conversions

Conversions Part 1

Format	Color
Hex	99ED00
RGB	153, 237, 0
RGB Percent	60%, 93%, 0%
CMY	0.3999, 0.0706, 1.0000
CMYK	0.35, 0.00, 1.00, 0.07
HSL	81°, 100%, 46%
HSV	81°, 100%, 93%
XYZ	43.4241, 67.3407, 10.7011
YIQ	184.8660, 26.0130, -91.5150

Conversions

Conversions Part 2

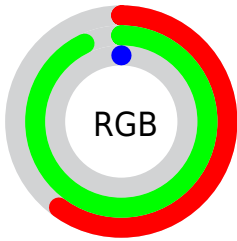
Format	Color
RYB	0, 237, 84
Decimal	10087680
CIELab	85.68, -53.16, 83.01
CIELCh	86, 98.571, 122.638
Yxy	67.3407, 0.3575, 0.5544
Android (android.graphics.Color)	4288277760 (0xFF99ED00)
YUV	184.8660, -91.1389, -27.9465
Hunter-Lab	82.0614, -49.1513, 49.7113

Details

The Yxy color **67.3407, 0.3575, 0.5544** 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 **7.9980, 0.1760, 0.0743**, and the grayscale version is **48.9488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4043, 0.3730, 0.4955**, and **34.9178, 0.3383, 0.5696** is the 20% darker color. If you saturate the color by 10%, you get **67.3442, 0.3575, 0.5544**, and if you desaturate by 10%, it is **68.2552, 0.3615, 0.5455**.

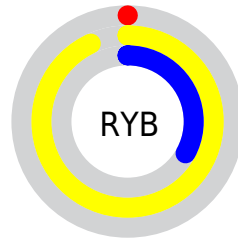
Distribution



Red (60%)

Green (93%)

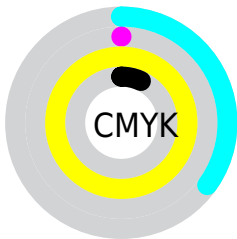
Blue (0%)



Red (0%)

Yellow (93%)

Blue (33%)

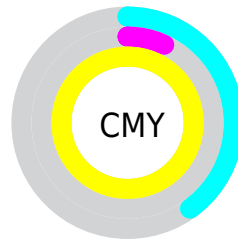


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (40%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.3407, 0.3575, 0.5544 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 67.3407, 0.3575, 0.5544 by changing the saturation by 10% instead.


 67.3407, 0.3575,
0.5544


 67.3407, 0.3575,
0.5544


451.1565, 0.3482,
0.4473


 49.3616, 0.3556,
0.5771


 115.4085, 0.3574,
0.5181

 34.9064, 0.3510,
0.6035


 146.2659, 0.3564,
0.5036


 23.5908, 0.3418,
0.6338


 182.1848, 0.3551,
0.4910

 15.0303, 0.3274,
0.6726

 223.5497, 0.3538,
0.4800

 8.8407, 0.2955,
0.7045

 270.7449, 0.3523,
0.4703

 4.6374, 0.2491,
0.7509

 324.1549, 0.3509,

 2.0361, 0.1473,

0.4618

0.8527

384.1639, 0.3495,
0.4541

■ 0.6283, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.3407, 0.3575,
0.5544

■ 67.3407, 0.3575,
0.5544

■ 67.3442, 0.3575,
0.5544

■ 68.2552, 0.3615,
0.5455

■ 69.3039, 0.3635,
0.5320

■ 70.5164, 0.3629,
0.5135

■ 71.9083, 0.3599,
0.4907

■ 73.4931, 0.3548,
0.4648

■ 75.2825, 0.3479,
0.4371

■ 77.2873, 0.3398,
0.4087

■ 79.5172, 0.3310,
0.3808

■ 81.9813, 0.3218,
0.3541

Harmonies

Analogous

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



67.3407, 0.4577, 0.4968



67.3407, 0.3575, 0.5544



67.3407, 0.2522, 0.5178

Triad

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



67.3407, 0.3575, 0.5544



67.3407, 0.1279, 0.1867



67.3407, 0.4653, 0.2665

Complementary

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



67.3407, 0.3575, 0.5544



7.9980, 0.1760, 0.0743

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.



67.3407, 0.3412, 0.2078



67.3407, 0.3575, 0.5544



67.3407, 0.1600, 0.1632

Square

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



67.3407, 0.3575, 0.5544



67.3407, 0.1293, 0.2553



67.3407, 0.2301, 0.1717



67.3407, 0.5389, 0.3370

Rectangle

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



67.3407, 0.3575, 0.5544



67.3407, 0.1925, 0.4318



67.3407, 0.2301, 0.1717



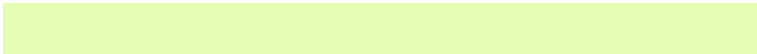
67.3407, 0.4262, 0.2451

Sweetspot

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



67.3442, 0.3575, 0.5544



91.2314, 0.3399, 0.4090



24.1836, 0.5861, 0.3728



19.3063, 0.3434, 0.4210



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.



67.3442, 0.3575, 0.5544



79.4820, 0.3573, 0.5545



60.9360, 0.3037, 0.5971



17.3446, 0.3213, 0.3527



36.8432, 0.3585, 0.5536



2.9466, 0.3669, 0.5468

Inverse Universe

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



7.9980, 0.1760, 0.0743



9.4112, 0.1756, 0.0741



18.5946, 0.2827, 0.1331



14.8085, 0.3035, 0.3050



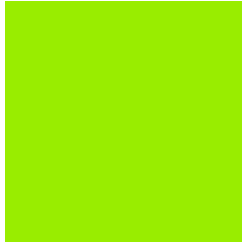
4.4332, 0.1776, 0.0752



0.4003, 0.1929, 0.0836

Previews

White Background



This preview shows how the Yxy color 67.3407, 0.3575, 0.5544 looks on a white background.

Color Contrast Check

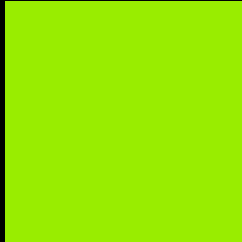
Large Text (above 18pt) WCAG AA × Fail

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 67.3407, 0.3575, 0.5544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

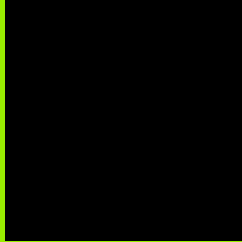
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

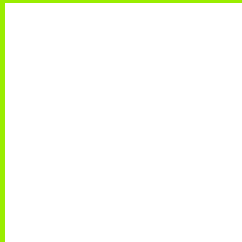
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.3407, 0.3575, 0.5544

Background



This preview shows how black text looks on a background with the Yxy color 67.3407, 0.3575, 0.5544.



This preview shows how white text looks on a background with the Yxy color 67.3407, 0.3575, 0.5544.

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

67.3407, 0.3575, 0.5544

Protanopia

66.6184, 0.4401, 0.4888

Deuteranopia

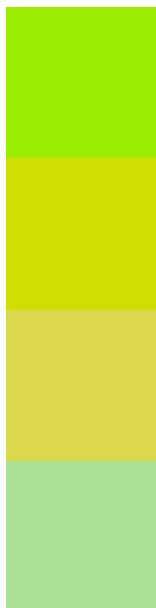
66.3278, 0.4146, 0.4130



Tritanopia

66.8244, 0.2738, 0.3081

Trichromacy



Original Color

67.3407, 0.3575, 0.5544

Protanomaly

65.6524, 0.4082, 0.5141

Deuteranomaly

65.0812, 0.4021, 0.4749

Tritanomaly

65.0621, 0.3203, 0.4240

Monochromacy



Original Color

67.3407, 0.3575, 0.5544

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

53.3780, 0.3488, 0.4422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.3407, 0.3575, 0.5544 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(153, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 237, 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(153, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 237, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.3407, 0.3575, 0.5544 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(153, 237, 0) }
```

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

```
.border{ border-color:rgb(153, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 237,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 67.3407, 0.3575, 0.5544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 237, 0) }
```

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

```
.background{ background-color: rgb(153,  
237, 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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