

Converting Colors

Yxy(67.9393, 0.3616, 0.5511)

Have a look what the booklet for
Yxy(67.9393, 0.3616, 0.5511)
contains.

Yxy(67.9393, 0.3616, 0.5511)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.9393, 0.3616, 0.5511)

Conversions

Conversions Part 1

Format	Color
Hex	9FED00
RGB	159, 237, 0
RGB Percent	62%, 93%, 0%
CMY	0.3766, 0.0705, 1.0000
CMYK	0.33, 0.00, 1.00, 0.07
HSL	80°, 100%, 46%
HSV	80°, 100%, 93%
XYZ	44.5778, 67.9393, 10.7623
YIQ	186.6600, 29.5890, -90.2430

Conversions

Conversions Part 2

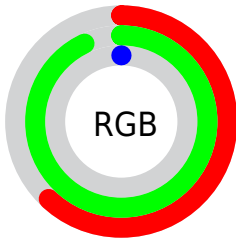
Format	Color
RYB	0, 237, 78
Decimal	10480896
CIELab	85.98, -51.08, 83.35
CIELCh	86, 97.754, 121.500
Yxy	67.9393, 0.3616, 0.5511
Android (android.graphics.Color)	4288670976 (0xFF9FED00)
YUV	186.6600, -92.0234, -24.2578
Hunter-Lab	82.4253, -47.7066, 49.9562

Details

The Yxy color **67.9393, 0.3616, 0.5511** 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 **7.7364, 0.1726, 0.0724**, and the grayscale version is **50.0068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3183, 0.3772, 0.4929**, and **35.7004, 0.3433, 0.5656** is the 20% darker color. If you saturate the color by 10%, you get **67.9424, 0.3616, 0.5511**, and if you desaturate by 10%, it is **68.8301, 0.3653, 0.5426**.

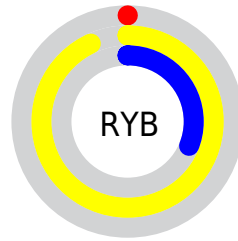
Distribution



Red (62%)

Green (93%)

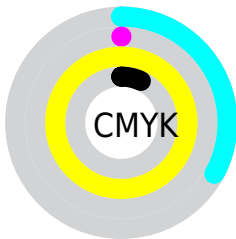
Blue (0%)



Red (0%)

Yellow (93%)

Blue (31%)

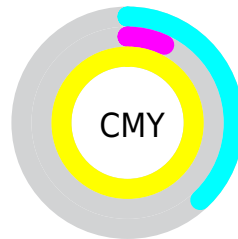


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (38%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.9393, 0.3616, 0.5511 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 67.9393, 0.3616, 0.5511 by changing the saturation by 10% instead.


 67.9393, 0.3616,
0.5511


 67.9393, 0.3616,
0.5511


453.2809, 0.3503,
0.4462

 49.8484, 0.3602,
0.5732


 116.2653, 0.3607,
0.5157


 35.2929, 0.3562,
0.5987


 147.2691, 0.3595,
0.5015


 23.8886, 0.3479,
0.6279


 183.3461, 0.3580,
0.4892

 15.2510, 0.3346,
0.6654

 224.8805, 0.3564,
0.4784

 8.9957, 0.3043,
0.6957

 272.2568, 0.3548,
0.4689

 4.7384, 0.2600,
0.7400

 325.8594, 0.3533,

 2.0946, 0.1717,

0.4605

0.8283

386.0726, 0.3518,
0.4529

■ 0.6616, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.9393, 0.3616,
0.5511

■ 67.9393, 0.3616,
0.5511

■ 67.9424, 0.3616,
0.5511

■ 68.8301, 0.3653,
0.5426

■ 69.8482, 0.3669,
0.5295

■ 71.0224, 0.3660,
0.5115

■ 72.3683, 0.3625,
0.4893

■ 73.8989, 0.3569,
0.4638

■ 75.6260, 0.3496,
0.4364

■ 77.5600, 0.3411,
0.4084

■ 79.7104, 0.3318,
0.3807

■ 82.0862, 0.3222,
0.3540

Harmonies

Analogous

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



67.9393, 0.4602, 0.4928



67.9393, 0.3616, 0.5511



67.9393, 0.2569, 0.5190

Triad

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



67.9393, 0.3616, 0.5511



67.9393, 0.1288, 0.1897



67.9393, 0.4595, 0.2647

Complementary

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



67.9393, 0.3616, 0.5511



7.7364, 0.1726, 0.0724

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.



67.9393, 0.3362, 0.2071



67.9393, 0.3616, 0.5511



67.9393, 0.1594, 0.1648

Square

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



67.9393, 0.3616, 0.5511



67.9393, 0.1315, 0.2600



67.9393, 0.2275, 0.1721



67.9393, 0.5353, 0.3346

Rectangle

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



67.9393, 0.3616, 0.5511



67.9393, 0.1967, 0.4361



67.9393, 0.2275, 0.1721



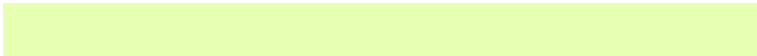
67.9393, 0.4203, 0.2436

Sweetspot

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



67.9424, 0.3616, 0.5511



91.5463, 0.3412, 0.4087



23.0457, 0.5947, 0.3660



19.3815, 0.3449, 0.4206



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.



67.9424, 0.3616, 0.5511



80.1821, 0.3614, 0.5513



61.0978, 0.3053, 0.5958



17.3641, 0.3217, 0.3526



37.1647, 0.3625, 0.5504



2.9702, 0.3705, 0.5440

Inverse Universe

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



7.7364, 0.1726, 0.0724



9.1031, 0.1722, 0.0722



17.5260, 0.2742, 0.1284



14.7898, 0.3031, 0.3050



4.2869, 0.1741, 0.0733



0.3872, 0.1891, 0.0816

Previews

White Background



This preview shows how the Yxy color 67.9393, 0.3616, 0.5511 looks on a white background.

Color Contrast Check

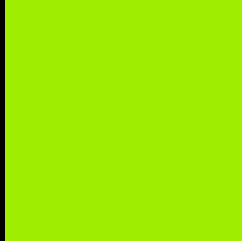
Large Text (above 18pt) WCAG AA × Fail

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 67.9393, 0.3616, 0.5511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

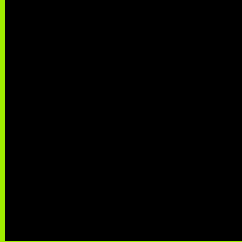
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

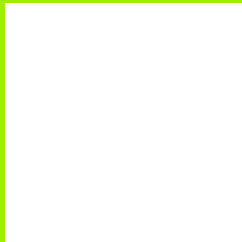
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.9393, 0.3616, 0.5511

Background



This preview shows how black text looks on a background with the Yxy color 67.9393, 0.3616, 0.5511.



This preview shows how white text looks on a background with the Yxy color 67.9393, 0.3616, 0.5511.

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

67.9393, 0.3616, 0.5511

Protanopia

67.3016, 0.4400, 0.4888

Deuteranopia

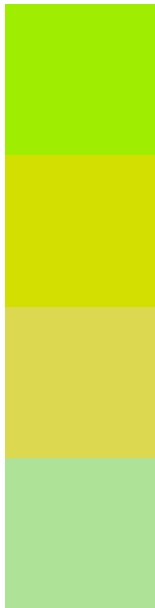
66.9090, 0.4113, 0.4102



Tritanopia

67.4267, 0.2769, 0.3083

Trichromacy



Original Color

67.9393, 0.3616, 0.5511

Protanomaly

66.6242, 0.4099, 0.5128

Deuteranomaly

65.4205, 0.4028, 0.4724

Tritanomaly

65.6257, 0.3238, 0.4230

Monochromacy



Original Color

67.9393, 0.3616, 0.5511

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

54.3417, 0.3511, 0.4407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.9393, 0.3616, 0.5511 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(159, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 237, 0) }
```

Border

The CSS property to change the border of an element to Yxy 67.9393, 0.3616, 0.5511 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(159, 237, 0) }
```

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

```
.border{ border-color:rgb(159, 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(159, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 237,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 67.9393, 0.3616, 0.5511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 237, 0) }
```

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

```
.background{ background-color: rgb(159,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor