

Converting Colors

$Y_{xy}(69.1200, 0.3673, 0.5466)$

Have a look what the booklet for
Yxy(69.1200, 0.3673, 0.5466)
contains.

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Color

Yxy(69.3646, 0.3668, 0.5470)

Conversions

Conversions Part 1

Format	Color
Hex	A7EE00
RGB	167, 238, 0
RGB Percent	65%, 93%, 0%
CMY	0.3450, 0.0667, 1.0000
CMYK	0.30, 0.00, 1.00, 0.07
HSL	78°, 100%, 47%
HSV	78°, 100%, 93%
XYZ	46.5136, 69.3646, 10.9309
YIQ	189.6390, 34.0820, -89.0700

Conversions

Conversions Part 2

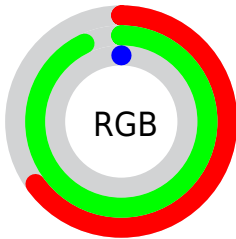
Format	Color
RYB	0, 238, 71
Decimal	11005440
CIELab	86.68, -48.59, 84.09
CIELCh	87, 97.116, 120.019
Yxy	69.3646, 0.3668, 0.5470
Android (android.graphics.Color)	4289195520 (0xFFA7EE00)
YUV	189.6390, -93.4920, -19.8544
Hunter-Lab	83.2854, -46.0600, 50.5182

Details

The Yxy color **69.3646, 0.3668, 0.5470** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **7.5120, 0.1686, 0.0702**, and the grayscale version is **51.8121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5891, 0.3828, 0.4895**, and **36.5817, 0.3494, 0.5608** is the 20% darker color. If you saturate the color by 10%, you get **69.3681, 0.3668, 0.5470**, and if you desaturate by 10%, it is **70.2278, 0.3700, 0.5389**.

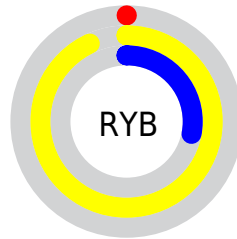
Distribution



Red (65%)

Green (93%)

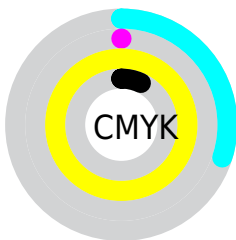
Blue (0%)



Red (0%)

Yellow (93%)

Blue (28%)

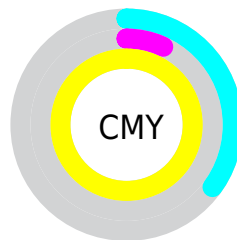


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (35%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3646, 0.3668, 0.5470 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 69.3646, 0.3668, 0.5470 by changing the saturation by 10% instead.


 69.3646, 0.3668,
0.5470

 69.3646, 0.3668,
0.5470

458.3158, 0.3530,
0.4451


 51.0087, 0.3660,
0.5682


 118.3022, 0.3651,
0.5128


 36.2155, 0.3629,
0.5926


 149.6527, 0.3635,
0.4991

 24.6007, 0.3556,
0.6203

 186.1034, 0.3617,
0.4871

 15.7798, 0.3440,
0.6560

 228.0389, 0.3599,
0.4766

 9.3685, 0.3158,
0.6842

 275.8435, 0.3581,
0.4673

 4.9823, 0.2747,
0.7253

 329.9016, 0.3563,

 2.2369, 0.2029,

0.4590

0.7971

390.5976, 0.3546,
0.4517

0.7400, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.3646, 0.3668,
0.5470

69.3646, 0.3668,
0.5470

69.3681, 0.3668,
0.5470

70.2278, 0.3700,
0.5389

71.2104, 0.3712,
0.5264

72.3418, 0.3697,
0.5091

73.6374, 0.3658,
0.4874

■ 75.1102, 0.3596,
0.4625

■ 76.7717, 0.3518,
0.4357

■ 78.6324, 0.3427,
0.4080

■ 80.7017, 0.3328,
0.3805

■ 82.9884, 0.3227,
0.3540

Harmonies

Analogous

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



69.3646, 0.4634, 0.4877



69.3646, 0.3668, 0.5470



69.3646, 0.2628, 0.5204

Triad

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



69.3646, 0.3668, 0.5470



69.3646, 0.1299, 0.1936



69.3646, 0.4521, 0.2624

Complementary

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



69.3646, 0.3668, 0.5470



7.5120, 0.1686, 0.0702

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.



69.3646, 0.3300, 0.2060



69.3646, 0.3668, 0.5470



69.3646, 0.1586, 0.1668

Square

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



69.3646, 0.3668, 0.5470



69.3646, 0.1344, 0.2660



69.3646, 0.2243, 0.1726



69.3646, 0.5308, 0.3314

Rectangle

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



69.3646, 0.3668, 0.5470



69.3646, 0.2022, 0.4416



69.3646, 0.2243, 0.1726



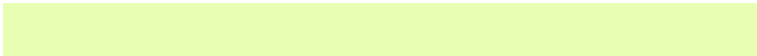
69.3646, 0.4130, 0.2416

Sweetspot

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



69.3681, 0.3668, 0.5470



91.9413, 0.3428, 0.4083



22.2435, 0.6028, 0.3596



19.4761, 0.3467, 0.4200



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.



69.3681, 0.3668, 0.5470



81.0979, 0.3666, 0.5471



61.8688, 0.3071, 0.5944



18.2087, 0.3222, 0.3527



38.7700, 0.3676, 0.5463



3.2766, 0.3746, 0.5408

Inverse Universe

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



7.5120, 0.1686, 0.0702



8.7585, 0.1683, 0.0701



16.6668, 0.2657, 0.1238



15.4572, 0.3026, 0.3049



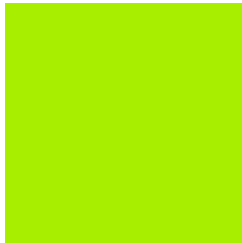
4.2493, 0.1700, 0.0710



0.4032, 0.1838, 0.0786

Previews

White Background



This preview shows how the Yxy color 69.3646, 0.3668, 0.5470 looks on a white background.

Color Contrast Check

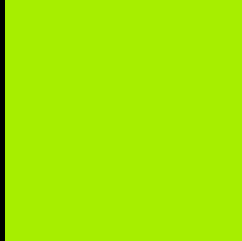
Large Text (above 18pt) WCAG AA × Fail

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 69.3646, 0.3668, 0.5470 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 69.3646, 0.3668, 0.5470

Background



This preview shows how black text looks on a background with the Yxy color 69.3646, 0.3668, 0.5470.



This preview shows how white text looks on a background with the Yxy color 69.3646, 0.3668, 0.5470.

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

69.3646, 0.3668, 0.5470

Protanopia

68.8588, 0.4406, 0.4884

Deuteranopia

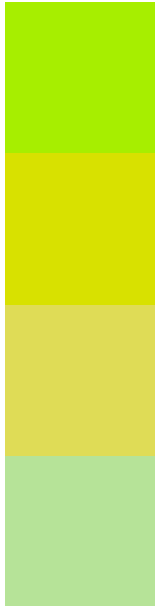
68.6102, 0.4034, 0.4046



Tritanopia

68.8920, 0.2808, 0.3086

Trichromacy



Original Color

69.3646, 0.3668, 0.5470

Protanomaly

68.4494, 0.4123, 0.5108

Deuteranomaly

67.5463, 0.4006, 0.4689

Tritanomaly

67.1503, 0.3287, 0.4211

Monochromacy



Original Color

69.3646, 0.3668, 0.5470

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

55.9512, 0.3533, 0.4388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3646, 0.3668, 0.5470 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(167, 238, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 238, 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(167, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 238, 0) }
```

Border

The CSS property to change the border of an element to Yxy 69.3646, 0.3668, 0.5470 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(167, 238, 0) }
```

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

```
.border{ border-color:rgb(167, 238, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 238, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 238,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3646, 0.3668, 0.5470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 238, 0) }
```

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

```
.background{ background-color: rgb(167,  
238, 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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