

Converting Colors

Yxy(64.6442, 0.3721, 0.5428)

Have a look what the booklet for
Yxy(64.6442, 0.3721, 0.5428)
contains.

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Color

Yxy(64.9185, 0.3718, 0.5430)

Conversions

Conversions Part 1

Format	Color
Hex	A8E600
RGB	168, 230, 0
RGB Percent	66%, 90%, 0%
CMY	0.3410, 0.0980, 1.0000
CMYK	0.27, 0.00, 1.00, 0.10
HSL	76°, 100%, 45%
HSV	76°, 100%, 90%
XYZ	44.4506, 64.9185, 10.1861
YIQ	185.2420, 36.8780, -84.6740

Conversions

Conversions Part 2

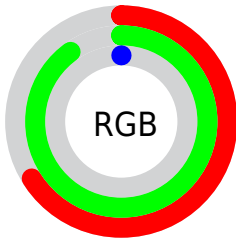
Format	Color
RYB	0, 230, 62
Decimal	11068928
CIELab	84.44, -44.83, 82.38
CIELCh	84, 93.793, 118.555
Yxy	64.9185, 0.3718, 0.5430
Android (android.graphics.Color)	4289259008 (0xFFA8E600)
YUV	185.2420, -91.3243, -15.1212
Hunter-Lab	80.5720, -42.5247, 48.9048

Details

The Yxy color **64.9185, 0.3718, 0.5430** 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 **6.7360, 0.1655, 0.0685**, and the grayscale version is **49.1667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7352, 0.3839, 0.4897**, and **33.5233, 0.3556, 0.5559** is the 20% darker color. If you saturate the color by 10%, you get **64.9214, 0.3718, 0.5430**, and if you desaturate by 10%, it is **65.6799, 0.3745, 0.5353**.

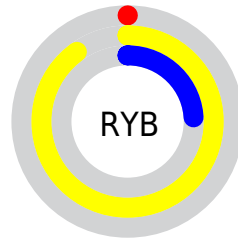
Distribution



Red (66%)

Green (90%)

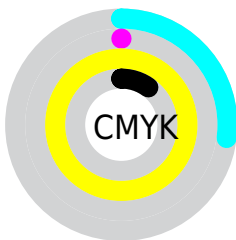
Blue (0%)



Red (0%)

Yellow (90%)

Blue (24%)

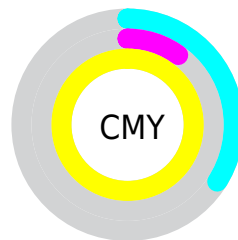


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (34%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9185, 0.3718, 0.5430 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 64.9185, 0.3718, 0.5430 by changing the saturation by 10% instead.


 64.9185, 0.3718,
0.5430


 64.9185, 0.3718,
0.5430


442.4990, 0.3552,
0.4423

 47.3950, 0.3716,
0.5640


 111.9327, 0.3691,
0.5092


 33.3480, 0.3690,
0.5881


 142.1921, 0.3671,
0.4956


 22.3932, 0.3623,
0.6156


 177.4657, 0.3650,
0.4837

 14.1461, 0.3504,
0.6496

 218.1378, 0.3629,
0.4733

 8.2223, 0.3222,
0.6778

 264.5928, 0.3608,
0.4642

 4.2376, 0.2803,
0.7197

 317.2150, 0.3589,

 1.8073, 0.1904,

0.4561

0.8096

376.3890, 0.3570,
0.4488

■ 0.4917, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.9185, 0.3718,
0.5430

■ 64.9185, 0.3718,
0.5430

■ 64.9214, 0.3718,
0.5430

■ 65.6799, 0.3745,
0.5353

■ 66.5447, 0.3752,
0.5233

■ 67.5399, 0.3732,
0.5065

■ 68.6793, 0.3688,
0.4854

69.9750, 0.3621,
0.4611

71.4372, 0.3537,
0.4347

73.0754, 0.3441,
0.4074

74.8981, 0.3338,
0.3802

76.9134, 0.3232,
0.3539

Harmonies

Analogous

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



64.9185, 0.4665, 0.4828



64.9185, 0.3718, 0.5430



64.9185, 0.2686, 0.5217

Triad

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



64.9185, 0.3718, 0.5430



64.9185, 0.1309, 0.1974



64.9185, 0.4450, 0.2600

Complementary

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



64.9185, 0.3718, 0.5430



6.7360, 0.1655, 0.0685

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.



64.9185, 0.3241, 0.2050



64.9185, 0.3718, 0.5430



64.9185, 0.1579, 0.1688

Square

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



64.9185, 0.3718, 0.5430



64.9185, 0.1372, 0.2720



64.9185, 0.2211, 0.1731



64.9185, 0.5262, 0.3283

Rectangle

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



64.9185, 0.3718, 0.5430



64.9185, 0.2075, 0.4467



64.9185, 0.2211, 0.1731



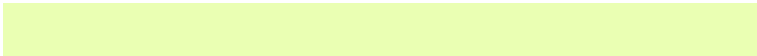
64.9185, 0.4059, 0.2397

Sweetspot

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



64.9214, 0.3718, 0.5430



92.3130, 0.3442, 0.4079



20.1959, 0.6063, 0.3568



19.5653, 0.3484, 0.4195



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.



64.9214, 0.3718, 0.5430



81.9968, 0.3715, 0.5432



57.3679, 0.3083, 0.5934



16.6117, 0.3226, 0.3525



36.8185, 0.3725, 0.5424



2.7658, 0.3796, 0.5368

Inverse Universe

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



6.7360, 0.1655, 0.0685



8.4742, 0.1650, 0.0683



14.9820, 0.2617, 0.1215



14.0740, 0.3022, 0.3050



3.8650, 0.1668, 0.0692



0.3303, 0.1818, 0.0775

Previews

White Background



This preview shows how the Yxy color 64.9185, 0.3718, 0.5430 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 64.9185, 0.3718, 0.5430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

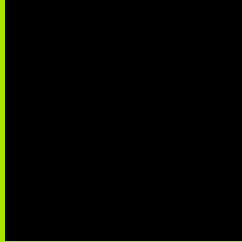
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9185, 0.3718, 0.5430

Background



This preview shows how black text looks on a background with the Yxy color 64.9185, 0.3718, 0.5430.



This preview shows how white text looks on a background with the Yxy color 64.9185, 0.3718, 0.5430.

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

64.9185, 0.3718, 0.5430

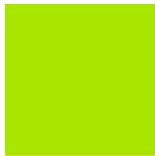
Deuteranopia

64.0532, 0.4282, 0.4241

Tritanopia

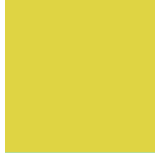
64.6815, 0.2844, 0.3093

Trichromacy



Original Color

64.9185, 0.3718, 0.5430



Deuteranomaly

63.1802, 0.4141, 0.4758



Tritanomaly

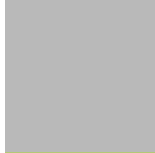
63.1167, 0.3324, 0.4203

Monochromacy



Original Color

64.9185, 0.3718, 0.5430



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.6650, 0.3549, 0.4372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9185, 0.3718, 0.5430 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(168, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(168, 230, 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(168, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 230, 0) }
```

Border

The CSS property to change the border of an element to Yxy 64.9185, 0.3718, 0.5430 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(168, 230, 0) }
```

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

```
.border{ border-color:rgb(168, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(168, 230,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 64.9185, 0.3718, 0.5430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 230, 0) }
```

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

```
.background{ background-color: rgb(168,  
230, 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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