

Converting Colors

$Yxy(73.8345, 0.3658, 0.5459)$

Have a look what the booklet for
Yxy(73.8345, 0.3658, 0.5459)
contains.

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Color

Yxy(73.9847, 0.3655, 0.5462)

Conversions

Conversions Part 1

Format	Color
Hex	ABF50A
RGB	171, 245, 10
RGB Percent	67%, 96%, 4%
CMY	0.3293, 0.0392, 0.9603
CMYK	0.30, 0.00, 0.96, 0.04
HSL	79°, 92%, 50%
HSV	79°, 96%, 96%
XYZ	49.5083, 73.9847, 11.9605
YIQ	196.0840, 31.3310, -88.7730

Conversions

Conversions Part 2

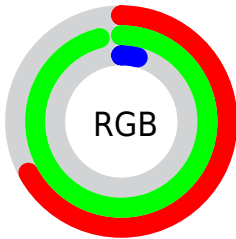
Format	Color
RYB	10, 245, 84
Decimal	11269386
CIELab	88.92, -49.92, 85.10
CIELCh	89, 98.665, 120.395
Yxy	73.9847, 0.3655, 0.5462
Android (android.graphics.Color)	4289459466 (0xFFABF50A)
YUV	196.0840, -91.7394, -21.9987
Hunter-Lab	86.0144, -47.7839, 51.9656

Details

The Yxy color **73.9847, 0.3655, 0.5462** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.7004, 0.1747, 0.0750**, and the grayscale version is **55.8167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3171, 0.3841, 0.4850**, and **39.3459, 0.3496, 0.5606** is the 20% darker color. If you saturate the color by 10%, you get **73.6123, 0.3639, 0.5493**, and if you desaturate by 10%, it is **74.9769, 0.3683, 0.5364**.

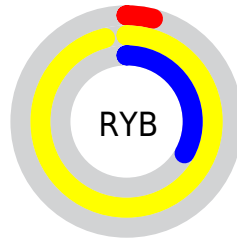
Distribution



Red (67%)

Green (96%)

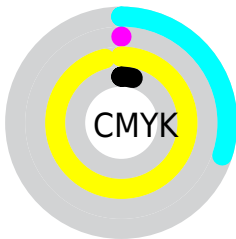
Blue (4%)



Red (4%)

Yellow (96%)

Blue (33%)

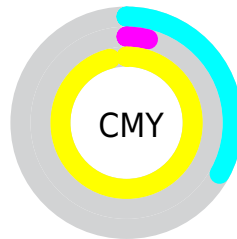


Cyan (30%)

Magenta (0%)

Yellow (96%)

Black (4%)



Cyan (33%)


Magenta (4%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9847, 0.3655, 0.5462 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 73.9847, 0.3655, 0.5462 by changing the saturation by 10% instead.


 73.9847, 0.3655,
0.5462


 73.9847, 0.3655,
0.5462


474.4206, 0.3524,
0.4456


 54.7815, 0.3647,
0.5670


 124.8741, 0.3639,
0.5126


 39.2268, 0.3618,
0.5910


 157.3291, 0.3624,
0.4991


 26.9362, 0.3550,
0.6182


 194.9702, 0.3607,
0.4872

 17.5253, 0.3452,
0.6548

 238.1818, 0.3590,
0.4768

 10.6097, 0.3183,
0.6817

 287.3482, 0.3572,
0.4676

 5.8051, 0.2798,
0.7202


 342.8539, 0.3556,

 2.7269, 0.2206,

0.4594

0.7794


405.0832, 0.3539,
0.4521

 0.9909, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.9847, 0.3655,
0.5462


 73.9847, 0.3655,
0.5462

 73.6123, 0.3639,
0.5493

 74.9769, 0.3683,
0.5364

 76.1183, 0.3687,
0.5216

 77.4311, 0.3665,
0.5020

 78.9309, 0.3619,
0.4786

■ 80.6310, 0.3553,
0.4524

■ 82.5435, 0.3471,
0.4248

■ 84.6791, 0.3380,
0.3968

■ 87.0477, 0.3283,
0.3695

■ 89.6588, 0.3184,
0.3435

Harmonies

Analogous

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



73.9847, 0.4619, 0.4882



73.9847, 0.3655, 0.5462



73.9847, 0.2620, 0.5181

Triad

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



73.9847, 0.3655, 0.5462



73.9847, 0.1307, 0.1937



73.9847, 0.4528, 0.2635

Complementary

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



73.9847, 0.3655, 0.5462



8.7004, 0.1747, 0.0750

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.



73.9847, 0.3315, 0.2071



73.9847, 0.3655, 0.5462



73.9847, 0.1598, 0.1674

Square

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



73.9847, 0.3655, 0.5462



73.9847, 0.1349, 0.2652



73.9847, 0.2258, 0.1735



73.9847, 0.5301, 0.3325

Rectangle

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



73.9847, 0.3655, 0.5462



73.9847, 0.2018, 0.4391



73.9847, 0.2258, 0.1735



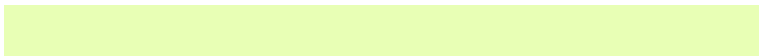
73.9847, 0.4140, 0.2428

Sweetspot

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



73.9880, 0.3655, 0.5462



91.9663, 0.3410, 0.4057



25.2570, 0.5896, 0.3666



19.4713, 0.3449, 0.4177



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.



73.9880, 0.3655, 0.5462



80.5998, 0.3638, 0.5494



66.1984, 0.3075, 0.5918



19.0367, 0.3220, 0.3527



39.7342, 0.3648, 0.5486



3.5468, 0.3718, 0.5430

Inverse Universe

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



8.7004, 0.1747, 0.0750



8.9384, 0.1703, 0.0712



18.8207, 0.2720, 0.1284



16.1799, 0.3028, 0.3049



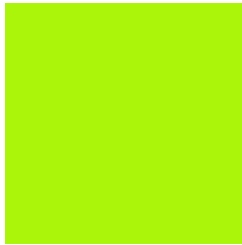
4.4697, 0.1720, 0.0721



0.4453, 0.1853, 0.0794

Previews

White Background



This preview shows how the Yxy color 73.9847, 0.3655, 0.5462 looks on a white background.

Color Contrast Check

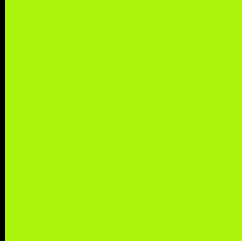
Large Text (above 18pt) WCAG AA × Fail

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 73.9847, 0.3655, 0.5462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

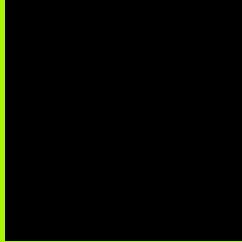
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.9847, 0.3655, 0.5462

Background



This preview shows how black text looks on a background with the Yxy color 73.9847, 0.3655, 0.5462.



This preview shows how white text looks on a background with the Yxy color 73.9847, 0.3655, 0.5462.

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

73.9847, 0.3655, 0.5462

Protanopia

73.2846, 0.4408, 0.4882

Deuteranopia

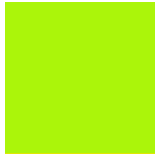
72.9098, 0.3826, 0.3866



Tritanopia

73.7427, 0.2804, 0.3092

Trichromacy



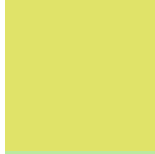
Original Color

73.9847, 0.3655, 0.5462



Protanomaly

72.6902, 0.4122, 0.5102



Deuteranomaly

71.8054, 0.3880, 0.4586



Tritanomaly

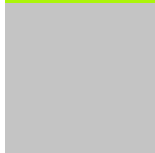
71.8228, 0.3257, 0.4176

Monochromacy



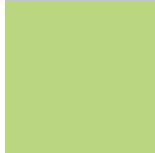
Original Color

73.9847, 0.3655, 0.5462



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

60.2164, 0.3506, 0.4359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9847, 0.3655, 0.5462 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(171, 245, 10)` looks like.

```
.text, #text, p{  
    color:rgb(171, 245, 10)  
}
```

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(171, 245, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 245, 10) }
```

Border

The CSS property to change the border of an element to Yxy 73.9847, 0.3655, 0.5462 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(171, 245, 10) }
```

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

```
.border{ border-color:rgb(171, 245, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 245, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 245, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 245, 10);  
box-shadow:4px 4px 4px 4px rgb(171, 245,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9847, 0.3655, 0.5462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 245, 10) }
```

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

```
.background{ background-color: rgb(171,  
245, 10) }
```

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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