

Converting Colors

Yxy(69.3906, 0.3546, 0.5162)

Have a look what the booklet for
Yxy(69.3906, 0.3546, 0.5162)
contains.

Yxy(69.3876, 0.3546, 0.5162)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.3876, 0.3546, 0.5162)

Conversions

Conversions Part 1

Format	Color
Hex	A8ED4A
RGB	168, 237, 74
RGB Percent	66%, 93%, 29%
CMY	0.3413, 0.0706, 0.7096
CMYK	0.29, 0.00, 0.69, 0.07
HSL	85°, 82%, 61%
HSV	85°, 69%, 93%
XYZ	47.6653, 69.3876, 17.3671
YIQ	197.7870, 11.1990, -65.3210

Conversions

Conversions Part 2

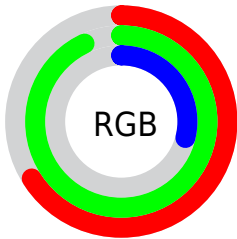
Format	Color
RYB	74, 237, 143
Decimal	11070794
CIELab	86.70, -45.41, 68.60
CIElCh	87, 82.265, 123.503
Yxy	69.3876, 0.3546, 0.5162
Android (android.graphics.Color)	4289260874 (0xFFA8ED4A)
YUV	197.7870, -61.0270, -26.1232
Hunter-Lab	83.2992, -43.6327, 45.9481

Details

The Yxy color **69.3876, 0.3546, 0.5162** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **16.8664, 0.2276, 0.1320**, and the grayscale version is **56.7095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4896, 0.3650, 0.4566**, and **36.3627, 0.3525, 0.5583** is the 20% darker color. If you saturate the color by 10%, you get **68.0693, 0.3544, 0.5366**, and if you desaturate by 10%, it is **70.9174, 0.3524, 0.4916**.

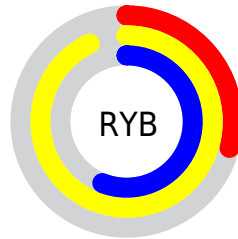
Distribution



Red (66%)

Green (93%)

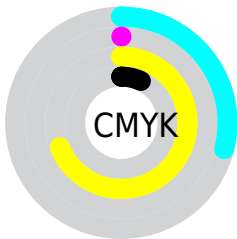
Blue (29%)



Red (29%)

Yellow (93%)

Blue (56%)

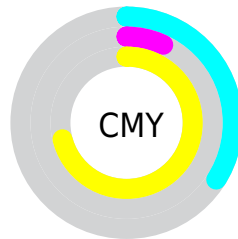


Cyan (29%)

Magenta (0%)

Yellow (69%)

Black (7%)



Cyan (34%)


Magenta (7%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3876, 0.3546, 0.5162 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 69.3876, 0.3546, 0.5162 by changing the saturation by 10% instead.


 69.3876, 0.3546,
0.5162


 69.3876, 0.3546,
0.5162


458.3968, 0.3421,
0.4261

 51.0274, 0.3550,
0.5364


 118.3350, 0.3521,
0.4850


 36.2304, 0.3541,
0.5607


 149.6911, 0.3506,
0.4727

 24.6122, 0.3505,
0.5899


 186.1478, 0.3490,
0.4622

 15.7884, 0.3421,
0.6250

 228.0898, 0.3475,
0.4531

 9.3745, 0.3274,
0.6726

 275.9012, 0.3460,
0.4450

 4.9863, 0.2889,
0.7111

329.9666, 0.3446,

 2.2392, 0.2245,

0.4380

0.7755

390.6704, 0.3433,
0.4317

0.7412, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.3876, 0.3546,
0.5162

69.3876, 0.3546,
0.5162

68.0693, 0.3544,
0.5366

70.9174, 0.3524,
0.4916

66.9370, 0.3518,
0.5518

72.6636, 0.3482,
0.4641

65.9707, 0.3472,
0.5619


74.6414, 0.3424,
0.4352


65.8586, 0.3466,
0.5630


76.8624, 0.3354,
0.4060

 79.3368, 0.3277,
0.3777

 82.0744, 0.3197,
0.3509

 85.0843, 0.3117,
0.3260

 87.8049, 0.3091,
0.3115

 89.0539, 0.3135,
0.3117

Harmonies

Analogous

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



69.3876, 0.4402, 0.4793



69.3876, 0.3546, 0.5162



69.3876, 0.2631, 0.4778

Triad

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



69.3876, 0.3546, 0.5162



69.3876, 0.1520, 0.2073



69.3876, 0.4421, 0.2792

Complementary

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



69.3876, 0.3546, 0.5162



16.8664, 0.2276, 0.1320

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.



69.3876, 0.3409, 0.2260



69.3876, 0.3546, 0.5162



69.3876, 0.1821, 0.1853

Square

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



69.3876, 0.3546, 0.5162



69.3876, 0.1536, 0.2679



69.3876, 0.2459, 0.1930



69.3876, 0.5029, 0.3434

Rectangle

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



69.3876, 0.3546, 0.5162



69.3876, 0.2110, 0.4096



69.3876, 0.2459, 0.1930



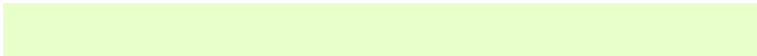
69.3876, 0.4104, 0.2597

Sweetspot

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



69.3907, 0.3546, 0.5162



92.9666, 0.3295, 0.3842



37.8320, 0.4822, 0.3981



19.7230, 0.3317, 0.3920



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.



69.3907, 0.3546, 0.5162



79.7323, 0.3535, 0.5442



63.1256, 0.3076, 0.5468



17.2908, 0.3203, 0.3527



36.0320, 0.3477, 0.5622



2.8858, 0.3573, 0.5545

Inverse Universe

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



16.8664, 0.2276, 0.1320



13.9611, 0.2067, 0.1009



26.7753, 0.3060, 0.1696



14.8608, 0.3046, 0.3051



4.9036, 0.1885, 0.0812



0.4406, 0.2040, 0.0898

Previews

White Background



This preview shows how the Yxy color 69.3876, 0.3546, 0.5162 looks on a white background.

Color Contrast Check

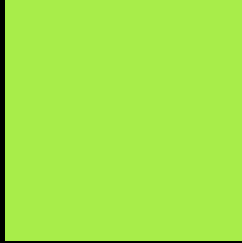
Large Text (above 18pt) WCAG AA × Fail

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 69.3876, 0.3546, 0.5162 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 69.3876, 0.3546, 0.5162

Background



This preview shows how black text looks on a background with the Yxy color 69.3876, 0.3546, 0.5162.



This preview shows how white text looks on a background with the Yxy color 69.3876, 0.3546, 0.5162.

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

69.3876, 0.3546, 0.5162

Protanopia

68.9326, 0.4250, 0.4687

Deuteranopia

68.7250, 0.4006, 0.4007



Tritanopia

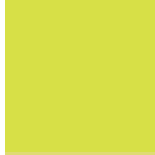
68.7637, 0.2801, 0.3086

Trichromacy



Original Color

69.3876, 0.3546, 0.5162



Protanomaly

68.2133, 0.3981, 0.4865



Deuteranomaly

67.5888, 0.3857, 0.4429



Tritanomaly

68.0166, 0.3113, 0.3874

Monochromacy



Original Color

69.3876, 0.3546, 0.5162



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.9517, 0.3345, 0.4028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3876, 0.3546, 0.5162 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, 237, 74)` looks like.

```
.text, #text, p{  
    color:rgb(168, 237, 74)  
}
```

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, 237, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 237, 74) }
```

Border

The CSS property to change the border of an element to Yxy 69.3876, 0.3546, 0.5162 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, 237, 74) }
```

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

```
.border{ border-color:rgb(168, 237, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 237, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 237, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 237, 74);  
box-shadow:4px 4px 4px 4px rgb(168, 237,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3876, 0.3546, 0.5162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 237, 74) }
```

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

```
.background{ background-color: rgb(168,  
237, 74) }
```

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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