

Converting Colors

$Y_{xy}(43.5461, 0.3374, 0.5571)$

Have a look what the booklet for
Yxy(43.5461, 0.3374, 0.5571)
contains.

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Color

Yxy(43.5461, 0.3374, 0.5571)

Conversions

Conversions Part 1

Format	Color
Hex	6AC61E
RGB	106, 198, 30
RGB Percent	42%, 78%, 12%
CMY	0.5843, 0.2235, 0.8821
CMYK	0.46, 0.00, 0.85, 0.22
HSL	93°, 74%, 45%
HSV	93°, 85%, 78%
XYZ	26.3731, 43.5461, 8.2465
YIQ	151.3400, -0.9040, -71.7520

Conversions

Conversions Part 2

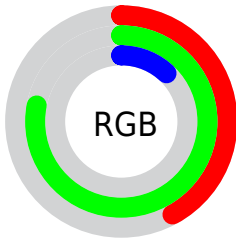
Format	Color
RYB	30, 198, 122
Decimal	6997534
CIELab	71.92, -52.86, 66.97
CIELCh	72, 85.323, 128.284
Yxy	43.5461, 0.3374, 0.5571
Android (android.graphics.Color)	4285187614 (0xFF6AC61E)
YUV	151.3400, -59.8206, -39.7632
Hunter-Lab	65.9895, -44.1429, 38.7834

Details

The Yxy color **43.5461, 0.3374, 0.5571** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **9.1501, 0.2278, 0.1115**, and the grayscale version is **31.3666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3096, 0.3400, 0.5128**, and **20.1372, 0.3148, 0.5882** is the 20% darker color. If you saturate the color by 10%, you get **42.8534, 0.3328, 0.5707**, and if you desaturate by 10%, it is **44.3901, 0.3401, 0.5377**.

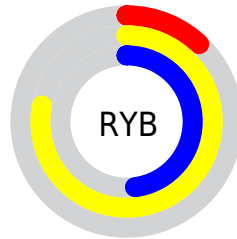
Distribution



Red (42%)

Green (78%)

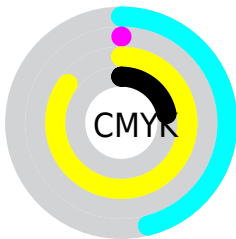
Blue (12%)



Red (12%)

Yellow (78%)

Blue (48%)

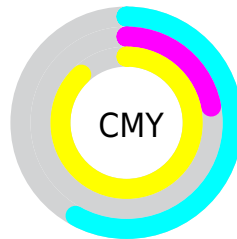


Cyan (46%)

Magenta (0%)

Yellow (85%)

Black (22%)



Cyan (58%)


Magenta (22%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5461, 0.3374, 0.5571 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 43.5461, 0.3374, 0.5571 by changing the saturation by 10% instead.


 43.5461, 0.3374,
0.5571


 43.5461, 0.3374,
0.5571


360.8528, 0.3354,
0.4372


 30.3138, 0.3333,
0.5862


 80.5343, 0.3399,
0.5135


 20.0769, 0.3252,
0.6217


 105.0590, 0.3398,
0.4970

 12.4510, 0.3113,
0.6687


 134.1167, 0.3393,
0.4831


 7.0516, 0.2814,
0.7186

 168.0917, 0.3387,
0.4712

 3.4944, 0.2274,
0.7726

 207.3684, 0.3379,
0.4609

 1.3950, 0.0000,
1.0000

 252.3312, 0.3371,

 0.2130, 0.0000,

0.4520

1.0000

303.3645, 0.3362,
0.4441

■ 0.0000, 0.0000,
0.0000

■ 43.5461, 0.3374,
0.5571

■ 43.5461, 0.3374,
0.5571

■ 42.8534, 0.3328,
0.5707

■ 44.3901, 0.3401,
0.5377

■ 42.5403, 0.3300,
0.5762

■ 45.3931, 0.3408,
0.5132

■ 46.5681, 0.3395,
0.4852

■ 47.9254, 0.3366,
0.4552

■ 49.4738, 0.3323,
0.4248

■ 51.2219, 0.3271,
0.3950

■ 53.1775, 0.3215,
0.3669

■ 55.3478, 0.3156,
0.3408

■ 57.7400, 0.3097,
0.3170

Harmonies

Analogous

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



43.5461, 0.4402, 0.5113



43.5461, 0.3374, 0.5571



43.5461, 0.2338, 0.4974

Triad

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



43.5461, 0.3374, 0.5571



43.5461, 0.1313, 0.1793



43.5461, 0.4851, 0.2791

Complementary

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



43.5461, 0.3374, 0.5571



9.1501, 0.2278, 0.1115

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.



43.5461, 0.3652, 0.2173



43.5461, 0.3374, 0.5571



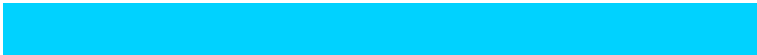
43.5461, 0.1699, 0.1625

Square

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



43.5461, 0.3374, 0.5571



43.5461, 0.1262, 0.2380



43.5461, 0.2480, 0.1764



43.5461, 0.5435, 0.3509

Rectangle

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



43.5461, 0.3374, 0.5571



43.5461, 0.1786, 0.4037



43.5461, 0.2480, 0.1764



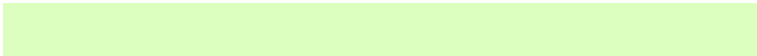
43.5461, 0.4489, 0.2569

Sweetspot

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



43.5480, 0.3374, 0.5571



90.5206, 0.3275, 0.3966



25.4435, 0.5017, 0.4227



19.1315, 0.3294, 0.4071



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.



43.5480, 0.3374, 0.5571



75.1863, 0.3290, 0.5770



40.7917, 0.2996, 0.5807



12.1188, 0.3183, 0.3524



27.7135, 0.3310, 0.5754



1.3551, 0.3476, 0.5622

Inverse Universe

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



9.1501, 0.2278, 0.1115



12.7680, 0.2101, 0.0931



16.7612, 0.3277, 0.1649



10.5689, 0.3067, 0.3057



4.7951, 0.2128, 0.0946



0.2697, 0.2346, 0.1066

Previews

White Background



This preview shows how the Yxy color 43.5461, 0.3374, 0.5571 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 43.5461, 0.3374, 0.5571 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 43.5461, 0.3374, 0.5571

Background



This preview shows how black text looks on a background with the Yxy color 43.5461, 0.3374, 0.5571.



This preview shows how white text looks on a background with the Yxy color 43.5461, 0.3374, 0.5571.

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

43.5461, 0.3374, 0.5571

Protanopia

42.9828, 0.4361, 0.4843

Deuteranopia

42.7098, 0.4588, 0.4483



Tritanopia

43.2298, 0.2620, 0.3077

Trichromacy



Original Color

43.5461, 0.3374, 0.5571



Protanomaly

42.2481, 0.3966, 0.5134



Deuteranomaly

41.5917, 0.4114, 0.4899



Tritanomaly

42.3677, 0.2969, 0.4083

Monochromacy



Original Color

43.5461, 0.3374, 0.5571



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.2177, 0.3332, 0.4278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5461, 0.3374, 0.5571 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(106, 198, 30)` looks like.

```
.text, #text, p{  
    color:rgb(106, 198, 30)  
}
```

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(106, 198, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 198, 30) }
```

Border

The CSS property to change the border of an element to Yxy 43.5461, 0.3374, 0.5571 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(106, 198, 30) }
```

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

```
.border{ border-color:rgb(106, 198, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 198, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 198, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 198, 30);  
box-shadow:4px 4px 4px 4px rgb(106, 198,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5461, 0.3374, 0.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 198, 30) }
```

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

```
.background{ background-color: rgb(106,  
198, 30) }
```

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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