

Converting Colors

$Yxy(44.5165, 0.3395, 0.5335)$

Have a look what the booklet for
Yxy(44.5165, 0.3395, 0.5335)
contains.

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Color

Yxy(44.5061, 0.3396, 0.5335)

Conversions

Conversions Part 1

Format	Color
Hex	76C636
RGB	118, 198, 54
RGB Percent	46%, 78%, 21%
CMY	0.5373, 0.2235, 0.7882
CMYK	0.40, 0.00, 0.73, 0.22
HSL	93°, 57%, 49%
HSV	93°, 73%, 78%
XYZ	28.3304, 44.5061, 10.5864
YIQ	157.6640, -1.4560, -61.7440

Conversions

Conversions Part 2

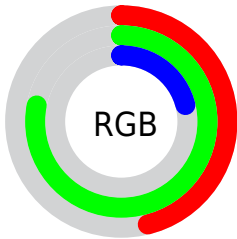
Format	Color
RYB	54, 198, 134
Decimal	7783990
CIELab	72.57, -47.75, 60.73
CIELCh	73, 77.258, 128.176
Yxy	44.5061, 0.3396, 0.5335
Android (android.graphics.Color)	4285974070 (0xFF76C636)
YUV	157.6640, -51.1064, -34.7853
Hunter-Lab	66.7129, -40.9455, 37.2906

Details

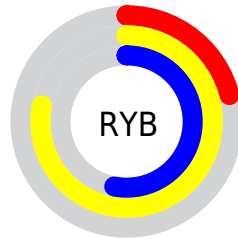
The Yxy color **44.5061, 0.3396, 0.5335** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **11.7845, 0.2434, 0.1344**, and the grayscale version is **34.2683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7597, 0.3397, 0.4938**, and **20.6056, 0.3278, 0.5779** is the 20% darker color. If you saturate the color by 10%, you get **43.6326, 0.3372, 0.5542**, and if you desaturate by 10%, it is **45.5490, 0.3399, 0.5081**.

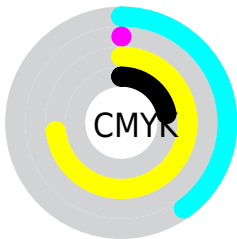
Distribution



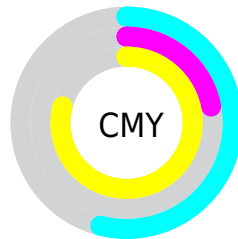
- Red (46%)
- Green (78%)
- Blue (21%)



- Red (21%)
- Yellow (78%)
- Blue (53%)



- Cyan (40%)
- Magenta (0%)
- Yellow (73%)
- Black (22%)




- Cyan (54%)
- Magenta (22%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5061, 0.3396, 0.5335 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 44.5061, 0.3396, 0.5335 by changing the saturation by 10% instead.


 44.5061, 0.3396,
0.5335


 44.5061, 0.3396,
0.5335


364.7696, 0.3341,
0.4260

 31.0686, 0.3375,
0.5602


 81.9788, 0.3400,
0.4941

 20.6511, 0.3324,
0.5933


 106.7827, 0.3394,
0.4793

 12.8692, 0.3216,
0.6347


 136.1442, 0.3386,
0.4669

 7.3385, 0.3042,
0.6958

 170.4477, 0.3377,
0.4562

 3.6747, 0.2560,
0.7440

 210.0776, 0.3368,
0.4471

 1.4933, 0.0948,
0.9052

255.4183, 0.3359,

 0.2840, 0.0000,

0.4391

1.0000

306.8541, 0.3350,
0.4321

■ 0.0000, 0.0000,
0.0000

■ 44.5061, 0.3396,
0.5335

■ 44.5061, 0.3396,
0.5335

■ 43.6326, 0.3372,
0.5542

■ 45.5490, 0.3399,
0.5081

■ 42.9097, 0.3329,
0.5691

■ 46.7667, 0.3384,
0.4794

■ 42.4650, 0.3290,
0.5769

■ 48.1709, 0.3352,
0.4490

■ 49.7708, 0.3309,
0.4186

■ 51.5747, 0.3257,
0.3890

■ 53.5905, 0.3201,
0.3612

■ 55.8255, 0.3143,
0.3356

■ 58.2867, 0.3085,
0.3123

■ 60.9807, 0.3029,
0.2913

Harmonies

Analogous

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



44.5061, 0.4340, 0.4985



44.5061, 0.3396, 0.5335



44.5061, 0.2434, 0.4780

Triad

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



44.5061, 0.3396, 0.5335



44.5061, 0.1443, 0.1920



44.5061, 0.4678, 0.2846

Complementary

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



44.5061, 0.3396, 0.5335



11.7845, 0.2434, 0.1344

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.



44.5061, 0.3605, 0.2263



44.5061, 0.3396, 0.5335



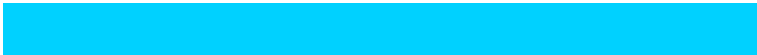
44.5061, 0.1811, 0.1750

Square

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



44.5061, 0.3396, 0.5335



44.5061, 0.1403, 0.2482



44.5061, 0.2541, 0.1877



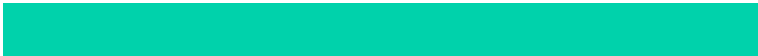
44.5061, 0.5223, 0.3529

Rectangle

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



44.5061, 0.3396, 0.5335



44.5061, 0.1915, 0.3969



44.5061, 0.2541, 0.1877



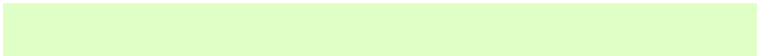
44.5061, 0.4354, 0.2636

Sweetspot

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



44.5080, 0.3396, 0.5335



91.4591, 0.3255, 0.3879



29.1031, 0.4700, 0.4225



19.3791, 0.3270, 0.3959



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.



44.5080, 0.3396, 0.5335



76.5152, 0.3350, 0.5632



41.5138, 0.2995, 0.5510



12.1147, 0.3182, 0.3524



27.6635, 0.3300, 0.5762



1.3526, 0.3467, 0.5629

Inverse Universe

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



11.7845, 0.2434, 0.1344



15.4250, 0.2254, 0.1073



18.3975, 0.3290, 0.1781



10.5731, 0.3068, 0.3057



4.8592, 0.2145, 0.0955



0.2725, 0.2360, 0.1074

Previews

White Background



This preview shows how the Yxy color 44.5061, 0.3396, 0.5335 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 44.5061, 0.3396, 0.5335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

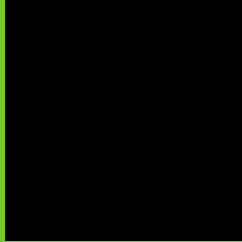
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5061, 0.3396, 0.5335

Background



This preview shows how black text looks on a background with the Yxy color 44.5061, 0.3396, 0.5335.



This preview shows how white text looks on a background with the Yxy color 44.5061, 0.3396, 0.5335.

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

44.5061, 0.3396, 0.5335

Protanopia

43.8081, 0.4287, 0.4716

Deuteranopia

43.7708, 0.4489, 0.4385



Tritanopia

44.3570, 0.2669, 0.3081

Trichromacy



Original Color

44.5061, 0.3396, 0.5335

Protanomaly

43.4830, 0.3936, 0.4957

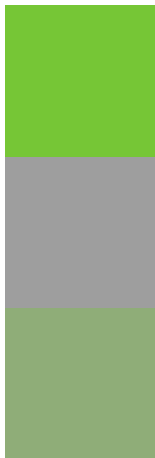
Deuteranomaly

42.7783, 0.4065, 0.4731

Tritanomaly

43.7588, 0.2974, 0.3938

Monochromacy



Original Color

44.5061, 0.3396, 0.5335

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

37.0828, 0.3292, 0.4115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5061, 0.3396, 0.5335 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(118, 198, 54)` looks like.

```
.text, #text, p{  
    color:rgb(118, 198, 54)  
}
```

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(118, 198, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 198, 54) }
```

Border

The CSS property to change the border of an element to Yxy 44.5061, 0.3396, 0.5335 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(118, 198, 54) }
```

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

```
.border{ border-color:rgb(118, 198, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 198, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 198, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 198, 54);  
box-shadow:4px 4px 4px 4px rgb(118, 198,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5061, 0.3396, 0.5335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 198, 54) }
```

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

```
.background{ background-color: rgb(118,  
198, 54) }
```

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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