

Converting Colors

$Yxy(45.1644, 0.3404, 0.5254)$

Have a look what the booklet for
Yxy(45.1644, 0.3404, 0.5254)
contains.

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Color

Yxy(45.3947, 0.3405, 0.5251)

Conversions

Conversions Part 1

Format	Color
Hex	7BC73D
RGB	123, 199, 61
RGB Percent	48%, 78%, 24%
CMY	0.5175, 0.2196, 0.7610
CMYK	0.38, 0.00, 0.69, 0.22
HSL	93°, 55%, 51%
HSV	93°, 69%, 78%
XYZ	29.4361, 45.3947, 11.6188
YIQ	160.5440, -0.9980, -59.0300

Conversions

Conversions Part 2

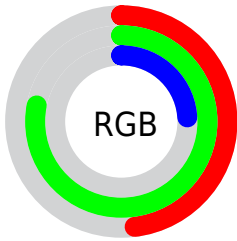
Format	Color
RYB	61, 199, 137
Decimal	8111933
CIELab	73.15, -45.99, 58.85
CIELCh	73, 74.683, 128.006
Yxy	45.3947, 0.3405, 0.5251
Android (android.graphics.Color)	4286302013 (0xFF7BC73D)
YUV	160.5440, -49.0752, -32.9261
Hunter-Lab	67.3756, -39.9214, 36.9384

Details

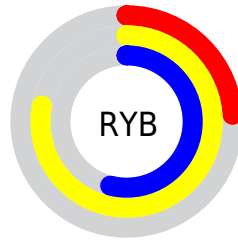
The Yxy color **45.3947, 0.3405, 0.5251** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **12.7690, 0.2465, 0.1413**, and the grayscale version is **35.6518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4843, 0.3404, 0.4863**, and **21.1048, 0.3325, 0.5742** is the 20% darker color. If you saturate the color by 10%, you get **44.4574, 0.3388, 0.5475**, and if you desaturate by 10%, it is **46.5058, 0.3401, 0.4985**.

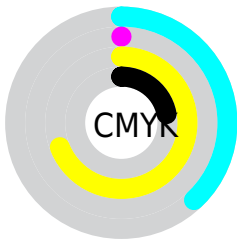
Distribution



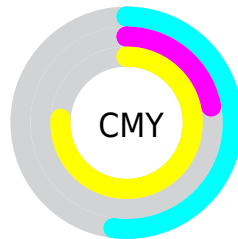
- Red (48%)
- Green (78%)
- Blue (24%)



- Red (24%)
- Yellow (78%)
- Blue (54%)



- Cyan (38%)
- Magenta (0%)
- Yellow (69%)
- Black (22%)




- Cyan (52%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3947, 0.3405, 0.5251 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 45.3947, 0.3405, 0.5251 by changing the saturation by 10% instead.


 45.3947, 0.3405,
0.5251

 45.3947, 0.3405,
0.5251


368.3698, 0.3338,
0.4223

 31.7684, 0.3390,
0.5507


 83.3124, 0.3403,
0.4874

 21.1847, 0.3350,
0.5826


 108.3726, 0.3395,
0.4733

 13.2591, 0.3259,
0.6228


 138.0129, 0.3386,
0.4614

 7.6072, 0.3133,
0.6867

 172.6177, 0.3376,
0.4512

 3.8446, 0.2679,
0.7321

 212.5714, 0.3366,
0.4425

 1.5870, 0.1413,
0.8587

258.2584, 0.3356,

 0.3488, 0.0000,

0.4348

1.0000

310.0630, 0.3347,
0.4282

■ 0.0000, 0.0000,
0.0000

■ 45.3947, 0.3405,
0.5251

■ 45.3947, 0.3405,
0.5251

■ 44.4574, 0.3388,
0.5475

■ 46.5058, 0.3401,
0.4985

■ 43.6758, 0.3352,
0.5643

■ 47.7956, 0.3379,
0.4691

■ 43.0322, 0.3300,
0.5758

■ 49.2757, 0.3342,
0.4387

■ 42.9948, 0.3297,
0.5764

■ 50.9548, 0.3295,
0.4085

■ 52.8413, 0.3240,
0.3795

■ 54.9427, 0.3182,
0.3524

■ 57.2665, 0.3123,
0.3275

■ 59.8193, 0.3065,
0.3050

■ 62.6079, 0.3009,
0.2848

Harmonies

Analogous

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



45.3947, 0.4318, 0.4932



45.3947, 0.3405, 0.5251



45.3947, 0.2470, 0.4718

Triad

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



45.3947, 0.3405, 0.5251



45.3947, 0.1491, 0.1968



45.3947, 0.4613, 0.2862

Complementary

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



45.3947, 0.3405, 0.5251



12.7690, 0.2465, 0.1413

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.



45.3947, 0.3583, 0.2293



45.3947, 0.3405, 0.5251



45.3947, 0.1850, 0.1796

Square

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



45.3947, 0.3405, 0.5251



45.3947, 0.1456, 0.2522



45.3947, 0.2559, 0.1918



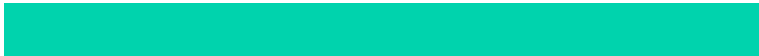
45.3947, 0.5146, 0.3531

Rectangle

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



45.3947, 0.3405, 0.5251



45.3947, 0.1964, 0.3950



45.3947, 0.2559, 0.1918



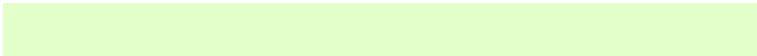
45.3947, 0.4301, 0.2657

Sweetspot

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



45.3967, 0.3405, 0.5251



91.8509, 0.3251, 0.3850



30.3363, 0.4617, 0.4204



19.4581, 0.3267, 0.3930



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.



45.3967, 0.3405, 0.5251



77.1445, 0.3373, 0.5564



42.2536, 0.2998, 0.5417



12.1174, 0.3182, 0.3524



27.6969, 0.3307, 0.5757



1.3543, 0.3473, 0.5624

Inverse Universe

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



12.7690, 0.2465, 0.1413



16.4296, 0.2290, 0.1127



19.2853, 0.3283, 0.1822



10.5703, 0.3067, 0.3057



4.8160, 0.2134, 0.0949



0.2706, 0.2351, 0.1069

Previews

White Background



This preview shows how the Yxy color 45.3947, 0.3405, 0.5251 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 45.3947, 0.3405, 0.5251 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 45.3947, 0.3405, 0.5251

Background



This preview shows how black text looks on a background with the Yxy color 45.3947, 0.3405, 0.5251.



This preview shows how white text looks on a background with the Yxy color 45.3947, 0.3405, 0.5251.

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

45.3947, 0.3405, 0.5251

Protanopia

44.8051, 0.4248, 0.4682

Deuteranopia

44.7340, 0.4450, 0.4362



Tritanopia

45.1745, 0.2691, 0.3084

Trichromacy



Original Color

45.3947, 0.3405, 0.5251

Protanomaly

44.1940, 0.3917, 0.4900

Deuteranomaly

43.8921, 0.4043, 0.4696

Tritanomaly

44.6979, 0.2990, 0.3898

Monochromacy



Original Color

45.3947, 0.3405, 0.5251

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

38.3437, 0.3285, 0.4054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3947, 0.3405, 0.5251 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(123, 199, 61)` looks like.

```
.text, #text, p{  
    color:rgb(123, 199, 61)  
}
```

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(123, 199, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 199, 61) }
```

Border

The CSS property to change the border of an element to Yxy 45.3947, 0.3405, 0.5251 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(123, 199, 61) }
```

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

```
.border{ border-color:rgb(123, 199, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 199, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 199, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 199, 61);  
box-shadow:4px 4px 4px 4px rgb(123, 199,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3947, 0.3405, 0.5251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 199, 61) }
```

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

```
.background{ background-color: rgb(123,  
199, 61) }
```

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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