

Converting Colors

Yxy(46.4459, 0.3164, 0.4841)

Have a look what the booklet for
Yxy(46.4459, 0.3164, 0.4841)
contains.

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Color

Yxy(46.3871, 0.3164, 0.4838)

Conversions

Conversions Part 1

Format	Color
Hex	74C963
RGB	116, 201, 99
RGB Percent	45%, 79%, 39%
CMY	0.5453, 0.2117, 0.6118
CMYK	0.42, 0.00, 0.51, 0.21
HSL	110°, 49%, 59%
HSV	110°, 51%, 79%
XYZ	30.3367, 46.3871, 19.1570
YIQ	163.9570, -17.9180, -49.7420

Conversions

Conversions Part 2

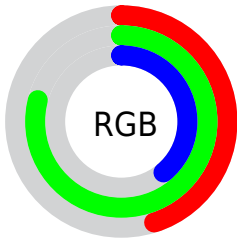
Format	Color
RYB	99, 201, 184
Decimal	7653731
CIELab	73.80, -45.35, 42.75
CIELCh	74, 62.325, 136.690
Yxy	46.3871, 0.3164, 0.4838
Android (android.graphics.Color)	4285843811 (0xFF74C963)
YUV	163.9570, -32.0238, -42.0583
Hunter-Lab	68.1081, -39.6818, 30.9990

Details

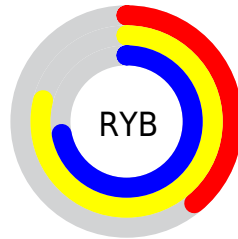
The Yxy color **46.3871, 0.3164, 0.4838** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **23.3364, 0.2997, 0.2011**, and the grayscale version is **37.2605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5577, 0.3184, 0.4498**, and **21.7318, 0.3112, 0.5336** is the 20% darker color. If you saturate the color by 10%, you get **45.0051, 0.3154, 0.5168**, and if you desaturate by 10%, it is **48.0759, 0.3167, 0.4497**.

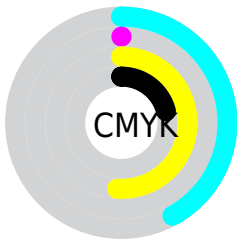
Distribution



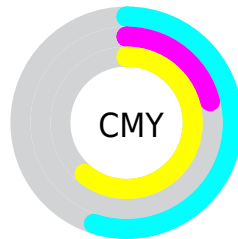
- Red (45%)
- Green (79%)
- Blue (39%)



- Red (39%)
- Yellow (79%)
- Blue (72%)



- Cyan (42%)
- Magenta (0%)
- Yellow (51%)
- Black (21%)





- Cyan (55%)
- Magenta (21%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3871, 0.3164, 0.4838 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 46.3871, 0.3164, 0.4838 by changing the saturation by 10% instead.


 46.3871, 0.3164,
0.4838


 46.3871, 0.3164,
0.4838


372.3627, 0.3184,
0.4015


 32.5514, 0.3143,
0.5055


 84.7980, 0.3182,
0.4529

 21.7830, 0.3107,
0.5336


 110.1420, 0.3186,
0.4416

 13.6975, 0.3039,
0.5714


 140.0910, 0.3187,
0.4322

 7.9106, 0.2907,
0.6234

 175.0292, 0.3188,
0.4241

 4.0378, 0.2745,
0.7255

215.3410, 0.3188,
0.4173

 1.6947, 0.1690,
0.8310

261.4110, 0.3187,

 0.4202, 0.0000,

0.4113

1.0000

313.6234, 0.3186,
0.4061

■ 0.0000, 0.0000,
0.0000

■ 46.3871, 0.3164,
0.4838

■ 46.3871, 0.3164,
0.4838

■ 45.0051, 0.3154,
0.5168

■ 48.0759, 0.3167,
0.4497

■ 43.9055, 0.3135,
0.5464

■ 50.0824, 0.3163,
0.4163

■ 43.0699, 0.3109,
0.5704

■ 52.4240, 0.3154,
0.3850

■ 42.4749, 0.3077,
0.5870

■ 55.1154, 0.3142,
0.3564

■ 42.1086, 0.3048,
0.5962

■ 58.1701, 0.3128,
0.3308

■ 61.6011, 0.3113,
0.3082

■ 65.4206, 0.3098,
0.2884

■ 69.3272, 0.3115,
0.2756

■ 70.2582, 0.3152,
0.2762

Harmonies

Analogous

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



46.3871, 0.3970, 0.4814



46.3871, 0.3164, 0.4838



46.3871, 0.2392, 0.4196

Triad

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



46.3871, 0.3164, 0.4838



46.3871, 0.1774, 0.2090



46.3871, 0.4547, 0.3111

Complementary

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



46.3871, 0.3164, 0.4838



23.3364, 0.2997, 0.2011

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.



46.3871, 0.3780, 0.2570



46.3871, 0.3164, 0.4838



46.3871, 0.2184, 0.2006

Square

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



46.3871, 0.3164, 0.4838



46.3871, 0.1663, 0.2486



46.3871, 0.2888, 0.2180



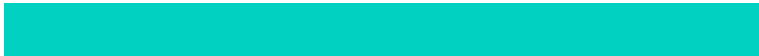
46.3871, 0.4845, 0.3722

Rectangle

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



46.3871, 0.3164, 0.4838



46.3871, 0.2003, 0.3555



46.3871, 0.2888, 0.2180



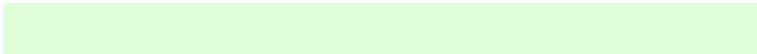
46.3871, 0.4330, 0.2919

Sweetspot

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



46.3891, 0.3164, 0.4838



92.2222, 0.3148, 0.3688



47.6040, 0.3961, 0.4336



19.5301, 0.3150, 0.3749



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.



46.3891, 0.3164, 0.4838



76.8132, 0.3152, 0.5203



46.1240, 0.2858, 0.4356



11.9712, 0.3140, 0.3527



26.5003, 0.3054, 0.5957



1.2820, 0.3180, 0.5857

Inverse Universe

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



23.3364, 0.2997, 0.2011



32.9095, 0.2954, 0.1770



24.1318, 0.3588, 0.2437



10.7239, 0.3112, 0.3060



7.8911, 0.2796, 0.1314



0.3980, 0.2887, 0.1364

Previews

White Background



This preview shows how the Yxy color 46.3871, 0.3164, 0.4838 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 46.3871, 0.3164, 0.4838 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 46.3871, 0.3164, 0.4838

Background



This preview shows how black text looks on a background with the Yxy color 46.3871, 0.3164, 0.4838.



This preview shows how white text looks on a background with the Yxy color 46.3871, 0.3164, 0.4838.

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

46.3871, 0.3164, 0.4838

Protanopia

45.5573, 0.4017, 0.4377

Deuteranopia

45.6057, 0.4152, 0.4066



Tritanopia

46.0372, 0.2625, 0.3070

Trichromacy



Original Color

46.3871, 0.3164, 0.4838



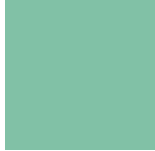
Protanomaly

45.2277, 0.3668, 0.4556



Deuteranomaly

44.7913, 0.3758, 0.4353



Tritanomaly

45.5602, 0.2832, 0.3686

Monochromacy



Original Color

46.3871, 0.3164, 0.4838



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.5408, 0.3162, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3871, 0.3164, 0.4838 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(116, 201, 99)` looks like.

```
.text, #text, p{  
    color:rgb(116, 201, 99)  
}
```

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(116, 201, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 201, 99) }
```

Border

The CSS property to change the border of an element to Yxy 46.3871, 0.3164, 0.4838 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(116, 201, 99) }
```

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

```
.border{ border-color:rgb(116, 201, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 201, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 201, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 201, 99);  
box-shadow:4px 4px 4px 4px rgb(116, 201,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3871, 0.3164, 0.4838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 201, 99) }
```

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

```
.background{ background-color: rgb(116,  
201, 99) }
```

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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