

Converting Colors

Yxy(50.2035, 0.3749, 0.4846)

Have a look what the booklet for
Yxy(50.2035, 0.3749, 0.4846)
contains.

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Color

Yxy(50.1393, 0.3748, 0.4851)

Conversions

Conversions Part 1

Format	Color
Hex	ACC74C
RGB	172, 199, 76
RGB Percent	67%, 78%, 30%
CMY	0.3256, 0.2196, 0.7018
CMYK	0.14, 0.00, 0.62, 0.22
HSL	73°, 52%, 54%
HSV	73°, 62%, 78%
XYZ	38.7388, 50.1393, 14.4806
YIQ	176.9050, 23.3910, -43.9770

Conversions

Conversions Part 2

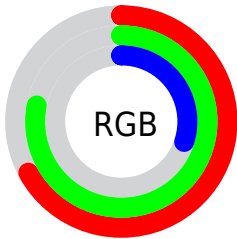
Format	Color
RYB	76, 199, 103
Decimal	11323212
CIELab	76.15, -26.50, 56.80
CIELCh	76, 62.679, 115.015
Yxy	50.1393, 0.3748, 0.4851
Android (android.graphics.Color)	4289513292 (0xFFACC74C)
YUV	176.9050, -49.7462, -4.3017
Hunter-Lab	70.8091, -26.2607, 37.4415

Details

The Yxy color **50.1393, 0.3748, 0.4851** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **12.1864, 0.2149, 0.1415**, and the grayscale version is **44.1723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9547, 0.3675, 0.4565**, and **24.0701, 0.3830, 0.5251** is the 20% darker color. If you saturate the color by 10%, you get **49.4193, 0.3798, 0.5045**, and if you desaturate by 10%, it is **50.9657, 0.3676, 0.4623**.

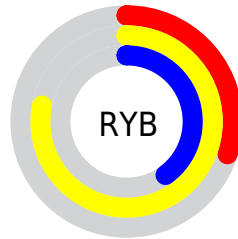
Distribution



Red (67%)

Green (78%)

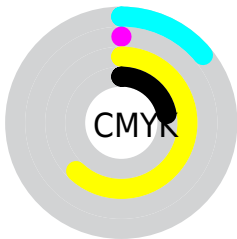
Blue (30%)



Red (30%)

Yellow (78%)

Blue (40%)

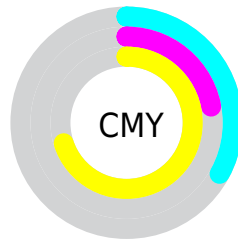


Cyan (14%)

Magenta (0%)

Yellow (62%)

Black (22%)



Cyan (33%)


Magenta (22%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1393, 0.3748, 0.4851 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 50.1393, 0.3748, 0.4851 by changing the saturation by 10% instead.

 50.1393, 0.3748,
0.4851


 50.1393, 0.3748,
0.4851


387.2104, 0.3491,
0.4072

 35.5241, 0.3788,
0.5034


 90.3812, 0.3671,
0.4574


 24.0669, 0.3825,
0.5257


 116.7768, 0.3637,
0.4468

 15.3832, 0.3845,
0.5530


 147.8678, 0.3606,
0.4377

 9.0888, 0.3849,
0.5900

 184.0389, 0.3578,
0.4299

 4.7991, 0.3720,
0.6280

 225.6742, 0.3553,
0.4231

 2.1299, 0.3346,
0.6654

273.1584, 0.3531,

 0.6814, 0.0009,

0.4171

0.9991

326.8756, 0.3510,
0.4119

■ 0.0000, 0.0000,
0.0000

■ 50.1393, 0.3748,
0.4851

■ 50.1393, 0.3748,
0.4851

■ 49.4193, 0.3798,
0.5045

■ 50.9657, 0.3676,
0.4623

■ 48.7906, 0.3823,
0.5196

■ 51.8991, 0.3585,
0.4372

■ 48.2455, 0.3822,
0.5301

■ 52.9483, 0.3482,
0.4108

■ 47.8456, 0.3807,
0.5359

■ 54.1191, 0.3372,
0.3842

■ 55.4173, 0.3259,
0.3582

■ 56.8478, 0.3147,
0.3333

■ 58.4156, 0.3038,
0.3100

■ 60.1253, 0.2935,
0.2884

■ 61.9715, 0.2839,
0.2688

Harmonies

Analogous

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



50.1393, 0.4433, 0.4477



50.1393, 0.3748, 0.4851



50.1393, 0.2943, 0.4691

Triad

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



50.1393, 0.3748, 0.4851



50.1393, 0.1688, 0.2360



50.1393, 0.4005, 0.2719

Complementary

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



50.1393, 0.3748, 0.4851



12.1864, 0.2149, 0.1415

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.



50.1393, 0.3128, 0.2285



50.1393, 0.3748, 0.4851



50.1393, 0.1878, 0.2060

Square

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



50.1393, 0.3748, 0.4851



50.1393, 0.1798, 0.3005



50.1393, 0.2365, 0.2050



50.1393, 0.4655, 0.3280

Rectangle

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



50.1393, 0.3748, 0.4851



50.1393, 0.2445, 0.4224



50.1393, 0.2365, 0.2050



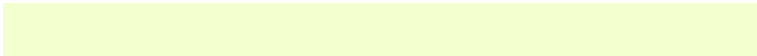
50.1393, 0.3719, 0.2556

Sweetspot

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



50.1416, 0.3748, 0.4851



95.2988, 0.3344, 0.3776



22.3036, 0.4821, 0.3622



20.2622, 0.3377, 0.3852



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.



50.1416, 0.3748, 0.4851



86.1410, 0.3809, 0.5099



44.7452, 0.3249, 0.5143



12.2949, 0.3232, 0.3521



30.8026, 0.3813, 0.5355



1.4885, 0.3896, 0.5288

Inverse Universe

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



12.1864, 0.2149, 0.1415



14.3259, 0.1918, 0.1050



17.2090, 0.2787, 0.1698



10.3980, 0.3016, 0.3054



3.0243, 0.1622, 0.0667



0.1762, 0.1835, 0.0785

Previews

White Background



This preview shows how the Yxy color 50.1393, 0.3748, 0.4851 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 50.1393, 0.3748, 0.4851 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 50.1393, 0.3748, 0.4851

Background



This preview shows how black text looks on a background with the Yxy color 50.1393, 0.3748, 0.4851.



This preview shows how white text looks on a background with the Yxy color 50.1393, 0.3748, 0.4851.

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

50.1393, 0.3748, 0.4851

Protanopia

50.0028, 0.4171, 0.4586

Deuteranopia

49.6058, 0.4402, 0.4306



Tritanopia

49.7740, 0.3014, 0.3102

Trichromacy



Original Color

50.1393, 0.3748, 0.4851

Protanomaly

49.9294, 0.4018, 0.4682

Deuteranomaly

49.3986, 0.4155, 0.4503

Tritanomaly

49.4857, 0.3313, 0.3752

Monochromacy



Original Color

50.1393, 0.3748, 0.4851

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.7053, 0.3398, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1393, 0.3748, 0.4851 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(172, 199, 76)` looks like.

```
.text, #text, p{  
    color:rgb(172, 199, 76)  
}
```

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(172, 199, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 199, 76) }
```

Border

The CSS property to change the border of an element to Yxy 50.1393, 0.3748, 0.4851 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(172, 199, 76) }
```

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

```
.border{ border-color:rgb(172, 199, 76) }
```

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

Here you see how a box with a 4 pixel rgb(172, 199, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 199, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 199, 76);  
box-shadow:4px 4px 4px 4px rgb(172, 199,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1393, 0.3748, 0.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 199, 76) }
```

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

```
.background{ background-color: rgb(172,  
199, 76) }
```

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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