

Converting Colors

Yxy(51.3546, 0.3748, 0.4839)

Have a look what the booklet for
Yxy(51.3546, 0.3748, 0.4839)
contains.

Yxy(51.3220, 0.3745, 0.4839)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.3220, 0.3745, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	AEC94E
RGB	174, 201, 78
RGB Percent	68%, 79%, 31%
CMY	0.3176, 0.2118, 0.6942
CMYK	0.13, 0.00, 0.61, 0.21
HSL	73°, 53%, 55%
HSV	73°, 61%, 79%
XYZ	39.7191, 51.3220, 15.0180
YIQ	178.9050, 23.3910, -43.9770

Conversions

Conversions Part 2

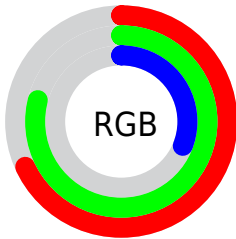
Format	Color
RYB	78, 201, 105
Decimal	11454798
CIELab	76.87, -26.50, 56.79
CIELCh	77, 62.671, 115.016
Yxy	51.3220, 0.3745, 0.4839
Android (android.graphics.Color)	4289644878 (0xFFAEC94E)
YUV	178.9050, -49.7462, -4.3017
Hunter-Lab	71.6394, -26.4029, 37.7184

Details

The Yxy color **51.3220, 0.3745, 0.4839** 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 **12.6666, 0.2158, 0.1432**, and the grayscale version is **45.2885, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3417, 0.3679, 0.4541**, and **24.8364, 0.3827, 0.5234** is the 20% darker color. If you saturate the color by 10%, you get **50.5805, 0.3796, 0.5035**, and if you desaturate by 10%, it is **52.1729, 0.3671, 0.4610**.

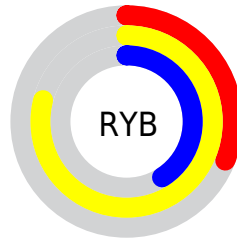
Distribution



Red (68%)

Green (79%)

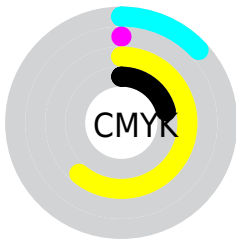
Blue (31%)



Red (31%)

Yellow (79%)

Blue (41%)

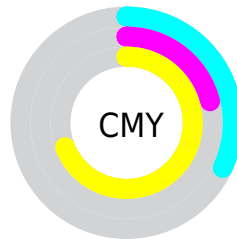


Cyan (13%)

Magenta (0%)

Yellow (61%)

Black (21%)



Cyan (32%)


Magenta (21%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3220, 0.3745, 0.4839 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 51.3220, 0.3745, 0.4839 by changing the saturation by 10% instead.


 51.3220, 0.3745,
0.4839


 51.3220, 0.3745,
0.4839


391.8135, 0.3490,
0.4069

 36.4649, 0.3786,
0.5019


 92.1306, 0.3668,
0.4566

 24.7935, 0.3822,
0.5239


 118.8509, 0.3635,
0.4461


 15.9233, 0.3845,
0.5508


 150.2943, 0.3604,
0.4371

 9.4699, 0.3845,
0.5862

 186.8454, 0.3577,
0.4294

 5.0489, 0.3740,
0.6260

 228.8885, 0.3552,
0.4226

 2.2760, 0.3380,
0.6620

276.8079, 0.3529,

 0.7610, 0.0911,

0.4167

0.9089

330.9881, 0.3509,
0.4115

0.0000, 0.0000,
0.0000

51.3220, 0.3745,
0.4839

51.3220, 0.3745,
0.4839

50.5805, 0.3796,
0.5035

52.1729, 0.3671,
0.4610

49.9328, 0.3823,
0.5188

53.1336, 0.3580,
0.4357

49.3714, 0.3824,
0.5296

54.2131, 0.3477,
0.4093

48.9324, 0.3808,
0.5359

55.4176, 0.3366,
0.3827

56.7526, 0.3253,
0.3567

■ 58.2235, 0.3140,
0.3319

■ 59.8351, 0.3032,
0.3086

■ 61.5921, 0.2929,
0.2872

■ 63.2458, 0.2856,
0.2713

Harmonies

Analogous

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



51.3220, 0.4425, 0.4470



51.3220, 0.3745, 0.4839



51.3220, 0.2945, 0.4678

Triad

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



51.3220, 0.3745, 0.4839



51.3220, 0.1697, 0.2367



51.3220, 0.3998, 0.2723

Complementary

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



51.3220, 0.3745, 0.4839



12.6666, 0.2158, 0.1432

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.



51.3220, 0.3128, 0.2292



51.3220, 0.3745, 0.4839



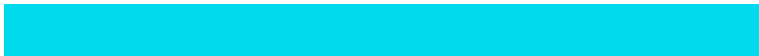
51.3220, 0.1886, 0.2068

Square

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



51.3220, 0.3745, 0.4839



51.3220, 0.1807, 0.3008



51.3220, 0.2371, 0.2058



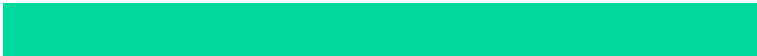
51.3220, 0.4643, 0.3281

Rectangle

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



51.3220, 0.3745, 0.4839



51.3220, 0.2450, 0.4216



51.3220, 0.2371, 0.2058



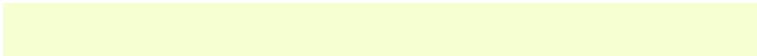
51.3220, 0.3715, 0.2561

Sweetspot

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



51.3243, 0.3745, 0.4839



95.5282, 0.3333, 0.3749



22.9983, 0.4799, 0.3621



20.3077, 0.3366, 0.3827



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.



51.3243, 0.3745, 0.4839



86.2677, 0.3807, 0.5083



45.8245, 0.3250, 0.5126



12.2951, 0.3232, 0.3521



30.8077, 0.3814, 0.5354



1.4887, 0.3897, 0.5288

Inverse Universe

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



12.6666, 0.2158, 0.1432



14.7531, 0.1934, 0.1074



17.7877, 0.2791, 0.1711



10.3978, 0.3016, 0.3054



3.0231, 0.1622, 0.0667



0.1761, 0.1834, 0.0784

Previews

White Background



This preview shows how the Yxy color 51.3220, 0.3745, 0.4839 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 51.3220, 0.3745, 0.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

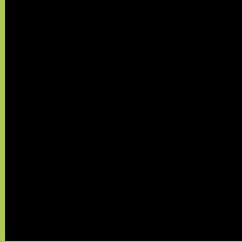
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3220, 0.3745, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 51.3220, 0.3745, 0.4839.



This preview shows how white text looks on a background with the Yxy color 51.3220, 0.3745, 0.4839.

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

51.3220, 0.3745, 0.4839

Protanopia

51.1838, 0.4163, 0.4578

Deuteranopia

50.7750, 0.4391, 0.4300



Tritanopia

50.9696, 0.3015, 0.3104

Trichromacy



Original Color

51.3220, 0.3745, 0.4839

Protanomaly

51.1111, 0.4012, 0.4673

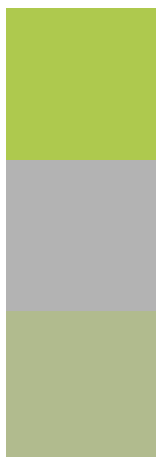
Deuteranomaly

50.5727, 0.4147, 0.4495

Tritanomaly

50.6758, 0.3311, 0.3748

Monochromacy



Original Color

51.3220, 0.3745, 0.4839

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.8408, 0.3396, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3220, 0.3745, 0.4839 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(174, 201, 78)` looks like.

```
.text, #text, p{  
    color:rgb(174, 201, 78)  
}
```

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(174, 201, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 201, 78) }
```

Border

The CSS property to change the border of an element to Yxy 51.3220, 0.3745, 0.4839 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(174, 201, 78) }
```

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

```
.border{ border-color:rgb(174, 201, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 201, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 201, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 201, 78);  
box-shadow:4px 4px 4px 4px rgb(174, 201,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3220, 0.3745, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 201, 78) }
```

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

```
.background{ background-color: rgb(174,  
201, 78) }
```

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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