

Converting Colors

$Yxy(39.3998, 0.3469, 0.5006)$

Have a look what the booklet for
Yxy(39.3998, 0.3469, 0.5006)
contains.

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Color

Yxy(39.3903, 0.3471, 0.5008)

Conversions

Conversions Part 1

Format	Color
Hex	81B846
RGB	129, 184, 70
RGB Percent	51%, 72%, 27%
CMY	0.4941, 0.2784, 0.7254
CMYK	0.30, 0.00, 0.62, 0.28
HSL	89°, 45%, 50%
HSV	89°, 62%, 72%
XYZ	27.3011, 39.3903, 11.9634
YIQ	154.5590, 3.8140, -47.1140

Conversions

Conversions Part 2

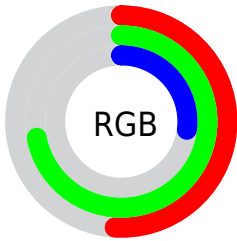
Format	Color
RYB	70, 184, 125
Decimal	8501318
CIELab	69.03, -36.62, 50.82
CIELCh	69, 62.637, 125.778
Yxy	39.3903, 0.3471, 0.5008
Android (android.graphics.Color)	4286691398 (0xFF81B846)
YUV	154.5590, -41.6876, -22.4152
Hunter-Lab	62.7617, -32.1862, 32.6316

Details

The Yxy color **39.3903, 0.3471, 0.5008** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **12.2070, 0.2469, 0.1561**, and the grayscale version is **32.7626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0645, 0.3444, 0.4659**, and **17.7526, 0.3463, 0.5549** is the 20% darker color. If you saturate the color by 10%, you get **38.5286, 0.3479, 0.5253**, and if you desaturate by 10%, it is **40.3870, 0.3443, 0.4732**.

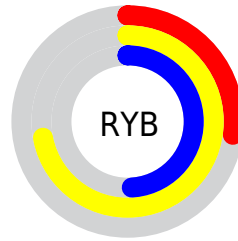
Distribution



Red (51%)

Green (72%)

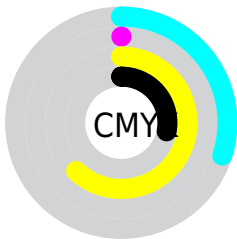
Blue (27%)



Red (27%)

Yellow (72%)

Blue (49%)

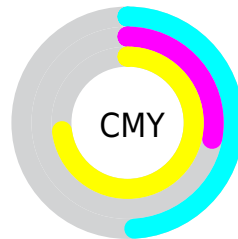


Cyan (30%)

Magenta (0%)

Yellow (62%)

Black (28%)



Cyan (49%)


Magenta (28%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3903, 0.3471, 0.5008 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 39.3903, 0.3471, 0.5008 by changing the saturation by 10% instead.


 39.3903, 0.3471,
0.5008


 39.3903, 0.3471,
0.5008


343.5470, 0.3349,
0.4090

 27.0635, 0.3476,
0.5245


 74.2342, 0.3443,
0.4666


 17.6209, 0.3465,
0.5548


 97.5201, 0.3427,
0.4539

 10.6782, 0.3413,
0.5939

 125.2277, 0.3412,
0.4433

 5.8509, 0.3367,
0.6633

 157.7416, 0.3397,
0.4344

 2.7546, 0.2923,
0.7077

 195.4461, 0.3384,
0.4267

 1.0050, 0.0532,
0.9468

238.7255, 0.3371,

 0.0000, 0.0000,

0.4200

0.0000

287.9644, 0.3359,
0.4142

■ 39.3903, 0.3471,
0.5008

■ 39.3903, 0.3471,
0.5008

■ 38.5286, 0.3479,
0.5253

■ 40.3870, 0.3443,
0.4732

■ 37.7886, 0.3465,
0.5455

■ 41.5210, 0.3399,
0.4441

■ 37.1623, 0.3429,
0.5603

■ 42.8007, 0.3342,
0.4146

■ 36.7261, 0.3390,
0.5690

■ 44.2322, 0.3278,
0.3860

■ 45.8214, 0.3210,
0.3588

■ 47.5737, 0.3141,
0.3336

■ 49.4942, 0.3072,
0.3106

■ 51.5879, 0.3006,
0.2897

■ 53.8593, 0.2943,
0.2710

Harmonies

Analogous

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



39.3903, 0.4278, 0.4741



39.3903, 0.3471, 0.5008



39.3903, 0.2620, 0.4582

Triad

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



39.3903, 0.3471, 0.5008



39.3903, 0.1631, 0.2134



39.3903, 0.4379, 0.2876

Complementary

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



39.3903, 0.3471, 0.5008



12.2070, 0.2469, 0.1561

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.



39.3903, 0.3465, 0.2361



39.3903, 0.3471, 0.5008



39.3903, 0.1942, 0.1941

Square

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



39.3903, 0.3471, 0.5008



39.3903, 0.1627, 0.2679



39.3903, 0.2569, 0.2031



39.3903, 0.4901, 0.3493

Rectangle

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



39.3903, 0.3471, 0.5008



39.3903, 0.2143, 0.3950



39.3903, 0.2569, 0.2031



39.3903, 0.4098, 0.2689

Sweetspot

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



39.3920, 0.3471, 0.5008



80.9088, 0.3260, 0.3787



24.8532, 0.4517, 0.4011



17.2725, 0.3280, 0.3866



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.3920, 0.3471, 0.5008



69.3760, 0.3477, 0.5325



36.1733, 0.3056, 0.5250



10.2825, 0.3192, 0.3521



25.3533, 0.3399, 0.5683



0.9304, 0.3597, 0.5526

Inverse Universe

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



12.2070, 0.2469, 0.1561



16.0413, 0.2289, 0.1240



17.5728, 0.3146, 0.1860



8.9264, 0.3058, 0.3059



3.8832, 0.2003, 0.0877



0.1738, 0.2296, 0.1039

Previews

White Background



This preview shows how the Yxy color 39.3903, 0.3471, 0.5008 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 39.3903, 0.3471, 0.5008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

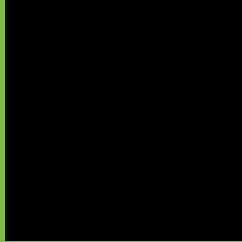
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.3903, 0.3471, 0.5008

Background



This preview shows how black text looks on a background with the Yxy color 39.3903, 0.3471, 0.5008.



This preview shows how white text looks on a background with the Yxy color 39.3903, 0.3471, 0.5008.

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

39.3903, 0.3471, 0.5008

Protanopia

38.9517, 0.4168, 0.4580

Deuteranopia

38.9428, 0.4355, 0.4278



Tritanopia

39.0700, 0.2790, 0.3089

Trichromacy



Original Color

39.3903, 0.3471, 0.5008

Protanomaly

38.7843, 0.3898, 0.4743

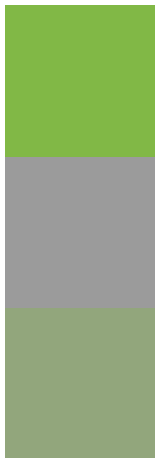
Deuteranomaly

38.4541, 0.4022, 0.4547

Tritanomaly

38.5533, 0.3061, 0.3782

Monochromacy



Original Color

39.3903, 0.3471, 0.5008

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.8387, 0.3302, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3903, 0.3471, 0.5008 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(129, 184, 70)` looks like.

```
.text, #text, p{  
    color:rgb(129, 184, 70)  
}
```

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(129, 184, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 184, 70) }
```

Border

The CSS property to change the border of an element to Yxy 39.3903, 0.3471, 0.5008 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(129, 184, 70) }
```

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

```
.border{ border-color:rgb(129, 184, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 184, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 184, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 184, 70);  
box-shadow:4px 4px 4px 4px rgb(129, 184,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3903, 0.3471, 0.5008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 184, 70) }
```

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

```
.background{ background-color: rgb(129,  
184, 70) }
```

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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