

Converting Colors

$Yxy(39.6646, 0.3849, 0.4584)$

Have a look what the booklet for
Yxy(39.6646, 0.3849, 0.4584)
contains.

Yxy(39.7852, 0.3849, 0.4591)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.7852, 0.3849, 0.4591)

Conversions

Conversions Part 1

Format	Color
Hex	AAAF50
RGB	170, 175, 80
RGB Percent	67%, 69%, 31%
CMY	0.3334, 0.3137, 0.6861
CMYK	0.03, 0.00, 0.54, 0.31
HSL	63°, 37%, 50%
HSV	63°, 54%, 69%
XYZ	33.3551, 39.7852, 13.5188
YIQ	162.6750, 27.5150, -30.6050

Conversions

Conversions Part 2

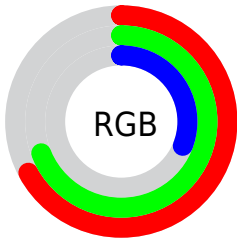
Format	Color
RYB	80, 175, 85
Decimal	11186000
CIELab	69.32, -15.06, 47.32
CIELCh	69, 49.662, 107.659
Yxy	39.7852, 0.3849, 0.4591
Android (android.graphics.Color)	4289376080 (0xFFAAAF50)
YUV	162.6750, -40.7588, 6.4240
Hunter-Lab	63.0755, -15.9892, 31.4454

Details

The Yxy color **39.7852, 0.3849, 0.4591** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **10.7734, 0.2143, 0.1608**, and the grayscale version is **36.6527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.5905, 0.3738, 0.4347**, and **17.8946, 0.3984, 0.4963** is the 20% darker color. If you saturate the color by 10%, you get **39.4583, 0.3946, 0.4778**, and if you desaturate by 10%, it is **40.1838, 0.3733, 0.4374**.

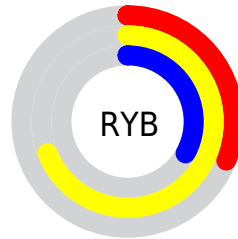
Distribution



Red (67%)

Green (69%)

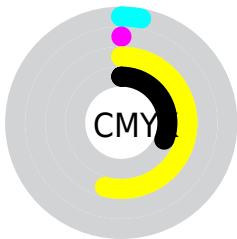
Blue (31%)



Red (31%)

Yellow (69%)

Blue (33%)

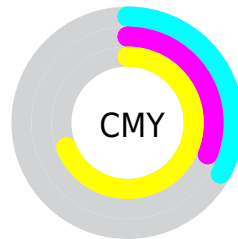


Cyan (3%)

Magenta (0%)

Yellow (54%)

Black (31%)



Cyan (33%)


Magenta (31%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7852, 0.3849, 0.4591 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 39.7852, 0.3849, 0.4591 by changing the saturation by 10% instead.


 39.7852, 0.3849,
0.4591


 39.7852, 0.3849,
0.4591


345.2174, 0.3511,
0.3925


 27.3711, 0.3918,
0.4753


 74.8363, 0.3736,
0.4350

 17.8521, 0.3993,
0.4955


 98.2421, 0.3690,
0.4258


 10.8439, 0.4069,
0.5206


 126.0806, 0.3651,
0.4181

 5.9620, 0.4186,
0.5603

 158.7362, 0.3616,
0.4115

 2.8220, 0.4101,
0.5899

 196.5933, 0.3585,
0.4057

 1.0395, 0.3708,
0.6292

240.0363, 0.3558,

 0.0000, 0.0000,

0.4007

0.0000

289.4495, 0.3533,
0.3964

■ 39.7852, 0.3849,
0.4591

■ 39.7852, 0.3849,
0.4591

■ 39.4583, 0.3946,
0.4778

■ 40.1838, 0.3733,
0.4374

■ 39.1923, 0.4021,
0.4927

■ 40.6536, 0.3603,
0.4137

■ 38.9830, 0.4070,
0.5034

■ 41.2005, 0.3465,
0.3888

■ 38.8228, 0.4094,
0.5099

■ 41.8287, 0.3324,
0.3638

■ 38.7435, 0.4102,
0.5125

■ 42.5418, 0.3185,
0.3392

■ 43.3433, 0.3051,
0.3156

■ 44.2366, 0.2923,
0.2935

■ 45.2247, 0.2804,
0.2729

■ 46.3106, 0.2694,
0.2540

Harmonies

Analogous

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



39.7852, 0.4381, 0.4232



39.7852, 0.3849, 0.4591



39.7852, 0.3158, 0.4555

Triad

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



39.7852, 0.3849, 0.4591



39.7852, 0.1860, 0.2605



39.7852, 0.3705, 0.2688

Complementary

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



39.7852, 0.3849, 0.4591



10.7734, 0.2143, 0.1608

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.



39.7852, 0.2956, 0.2338



39.7852, 0.3849, 0.4591



39.7852, 0.1965, 0.2257

Square

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



39.7852, 0.3849, 0.4591



39.7852, 0.2036, 0.3239



39.7852, 0.2338, 0.2180



39.7852, 0.4333, 0.3171

Rectangle

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



39.7852, 0.3849, 0.4591



39.7852, 0.2701, 0.4241



39.7852, 0.2338, 0.2180



39.7852, 0.3454, 0.2553

Sweetspot

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



39.7870, 0.3849, 0.4591



74.6691, 0.3353, 0.3688



16.1589, 0.4653, 0.3362



16.5444, 0.3381, 0.3738



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



39.7870, 0.3849, 0.4591



70.5661, 0.3962, 0.4809



35.4367, 0.3391, 0.4823



9.3083, 0.3255, 0.3515



27.7519, 0.4103, 0.5124



0.7784, 0.4132, 0.5101

Inverse Universe

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



10.7734, 0.2143, 0.1608



13.2350, 0.1911, 0.1226



13.7668, 0.2651, 0.1809



7.7767, 0.2993, 0.3056



2.2678, 0.1521, 0.0611



0.0695, 0.1611, 0.0661

Previews

White Background



This preview shows how the Yxy color 39.7852, 0.3849, 0.4591 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 39.7852, 0.3849, 0.4591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

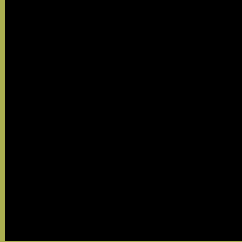
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7852, 0.3849, 0.4591

Background



This preview shows how black text looks on a background with the Yxy color 39.7852, 0.3849, 0.4591.



This preview shows how white text looks on a background with the Yxy color 39.7852, 0.3849, 0.4591.

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

39.7852, 0.3849, 0.4591

Protanopia

39.6174, 0.4085, 0.4458

Deuteranopia

39.5397, 0.4303, 0.4216



Tritanopia

39.8279, 0.3154, 0.3116

Trichromacy



Original Color

39.7852, 0.3849, 0.4591

Protanomaly

39.5141, 0.3993, 0.4504

Deuteranomaly

39.3663, 0.4132, 0.4344

Tritanomaly

39.5590, 0.3430, 0.3669

Monochromacy



Original Color

39.7852, 0.3849, 0.4591

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.4379, 0.3417, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7852, 0.3849, 0.4591 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(170, 175, 80)` looks like.

```
.text, #text, p{  
    color:rgb(170, 175, 80)  
}
```

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(170, 175, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 175, 80) }
```

Border

The CSS property to change the border of an element to Yxy 39.7852, 0.3849, 0.4591 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(170, 175, 80) }
```

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

```
.border{ border-color:rgb(170, 175, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 175, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 175, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 175, 80);  
box-shadow:4px 4px 4px 4px rgb(170, 175,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7852, 0.3849, 0.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 175, 80) }
```

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

```
.background{ background-color: rgb(170,  
175, 80) }
```

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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