

Converting Colors

$Yxy(39.7535, 0.3888, 0.4835)$

Have a look what the booklet for
Yxy(39.7535, 0.3888, 0.4835)
contains.

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Color

Yxy(39.6846, 0.3885, 0.4832)

Conversions

Conversions Part 1

Format	Color
Hex	A4B13E
RGB	164, 177, 62
RGB Percent	64%, 69%, 24%
CMY	0.3567, 0.3059, 0.7568
CMYK	0.07, 0.00, 0.65, 0.31
HSL	67°, 48%, 47%
HSV	67°, 65%, 69%
XYZ	31.9070, 39.6846, 10.5371
YIQ	160.0030, 29.1670, -38.5210

Conversions

Conversions Part 2

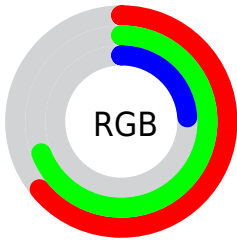
Format	Color
RYB	62, 177, 75
Decimal	10793278
CIELab	69.24, -19.93, 55.15
CIELCh	69, 58.642, 109.872
Yxy	39.6846, 0.3885, 0.4832
Android (android.graphics.Color)	4288983358 (0xFFA4B13E)
YUV	160.0030, -48.3155, 3.5054
Hunter-Lab	62.9957, -19.8332, 34.1797

Details

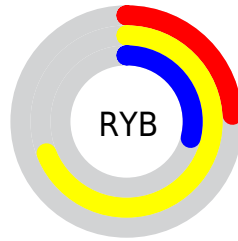
The Yxy color **39.6846, 0.3885, 0.4832** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.1157, 0.1988, 0.1285**, and the grayscale version is **35.3761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8878, 0.3776, 0.4557**, and **17.9184, 0.3977, 0.5224** is the 20% darker color. If you saturate the color by 10%, you get **39.3120, 0.3947, 0.4991**, and if you desaturate by 10%, it is **40.1274, 0.3800, 0.4636**.

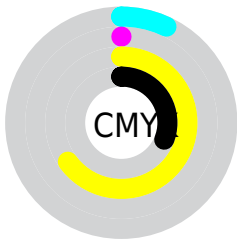
Distribution



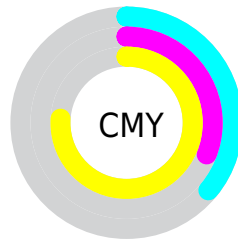
- Red (64%)
- Green (69%)
- Blue (24%)



- Red (24%)
- Yellow (69%)
- Blue (29%)



- Cyan (7%)
- Magenta (0%)
- Yellow (65%)
- Black (31%)





- Cyan (36%)
- Magenta (31%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6846, 0.3885, 0.4832 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 39.6846, 0.3885, 0.4832 by changing the saturation by 10% instead.


 39.6846, 0.3885,
0.4832


 39.6846, 0.3885,
0.4832


344.7924, 0.3549,
0.4045

 27.2927, 0.3943,
0.5018


 74.6830, 0.3779,
0.4550

 17.7932, 0.3999,
0.5245


 98.0583, 0.3734,
0.4442


 10.8016, 0.4035,
0.5518


 125.8635, 0.3694,
0.4351

 5.9336, 0.4075,
0.5925

 158.4831, 0.3658,
0.4272

 2.8047, 0.3840,
0.6160

 196.3013, 0.3626,
0.4204

 1.0307, 0.3205,
0.6795

239.7027, 0.3597,

 0.0000, 0.0000,

0.4144

0.0000

289.0716, 0.3572,
0.4092

■ 39.6846, 0.3885,
0.4832

■ 39.6846, 0.3885,
0.4832

■ 39.3120, 0.3947,
0.4991

■ 40.1274, 0.3800,
0.4636

■ 38.9978, 0.3984,
0.5107

■ 40.6406, 0.3695,
0.4410

■ 38.7359, 0.3996,
0.5180

■ 41.2309, 0.3577,
0.4166

■ 38.6148, 0.3997,
0.5208

■ 41.9029, 0.3450,
0.3912

■ 42.6606, 0.3320,
0.3657

■ 43.5080, 0.3190,
0.3409

■ 44.4486, 0.3064,
0.3173

■ 45.4860, 0.2945,
0.2951

■ 46.6232, 0.2833,
0.2746

Harmonies

Analogous

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



39.6846, 0.4537, 0.4393



39.6846, 0.3885, 0.4832



39.6846, 0.3078, 0.4786

Triad

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



39.6846, 0.3885, 0.4832



39.6846, 0.1671, 0.2435



39.6846, 0.3868, 0.2627

Complementary

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



39.6846, 0.3885, 0.4832



8.1157, 0.1988, 0.1285

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.



39.6846, 0.2980, 0.2219



39.6846, 0.3885, 0.4832



39.6846, 0.1813, 0.2077

Square

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



39.6846, 0.3885, 0.4832



39.6846, 0.1836, 0.3146



39.6846, 0.2252, 0.2022



39.6846, 0.4592, 0.3176

Rectangle

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



39.6846, 0.3885, 0.4832



39.6846, 0.2558, 0.4380



39.6846, 0.2252, 0.2022



39.6846, 0.3571, 0.2471

Sweetspot

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



39.6864, 0.3885, 0.4832



75.7973, 0.3377, 0.3768



14.5271, 0.5078, 0.3444



16.3450, 0.3413, 0.3839



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.



39.6864, 0.3885, 0.4832



70.1526, 0.3966, 0.5047



34.9788, 0.3356, 0.5154



9.8571, 0.3246, 0.3516



27.9961, 0.3999, 0.5207



0.8946, 0.4057, 0.5161

Inverse Universe

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



8.1157, 0.1988, 0.1285



9.3355, 0.1749, 0.0910



11.4464, 0.2596, 0.1562



8.2745, 0.3002, 0.3056



2.4214, 0.1547, 0.0626



0.0909, 0.1718, 0.0720

Previews

White Background



This preview shows how the Yxy color 39.6846, 0.3885, 0.4832 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 39.6846, 0.3885, 0.4832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

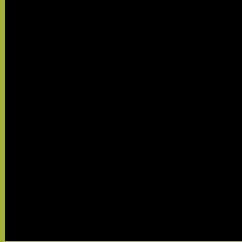
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6846, 0.3885, 0.4832

Background



This preview shows how black text looks on a background with the Yxy color 39.6846, 0.3885, 0.4832.



This preview shows how white text looks on a background with the Yxy color 39.6846, 0.3885, 0.4832.

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

39.6846, 0.3885, 0.4832

Protanopia

39.5210, 0.4208, 0.4621

Deuteranopia

39.2485, 0.4454, 0.4352



Tritanopia

39.7572, 0.3108, 0.3114

Trichromacy



Original Color

39.6846, 0.3885, 0.4832

Protanomaly

39.5453, 0.4088, 0.4697

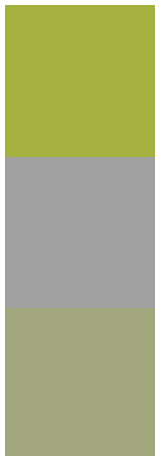
Deuteranomaly

38.9915, 0.4245, 0.4525

Tritanomaly

39.2977, 0.3441, 0.3774

Monochromacy



Original Color

39.6846, 0.3885, 0.4832

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.3047, 0.3450, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6846, 0.3885, 0.4832 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(164, 177, 62)` looks like.

```
.text, #text, p{  
    color:rgb(164, 177, 62)  
}
```

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(164, 177, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 177, 62) }
```

Border

The CSS property to change the border of an element to Yxy 39.6846, 0.3885, 0.4832 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(164, 177, 62) }
```

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

```
.border{ border-color:rgb(164, 177, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 177, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 177, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 177, 62);  
box-shadow:4px 4px 4px 4px rgb(164, 177,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6846, 0.3885, 0.4832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 177, 62) }
```

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

```
.background{ background-color: rgb(164,  
177, 62) }
```

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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