

Converting Colors

$Yxy(39.6539, 0.3784, 0.4791)$

Have a look what the booklet for
Yxy(39.6539, 0.3784, 0.4791)
contains.

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Color

Yxy(39.6539, 0.3784, 0.4791)

Conversions

Conversions Part 1

Format	Color
Hex	9FB246
RGB	159, 178, 70
RGB Percent	62%, 70%, 27%
CMY	0.3766, 0.3019, 0.7256
CMYK	0.11, 0.00, 0.61, 0.30
HSL	71°, 44%, 49%
HSV	71°, 61%, 70%
XYZ	31.3192, 39.6539, 11.7944
YIQ	160.0070, 23.3440, -37.6160

Conversions

Conversions Part 2

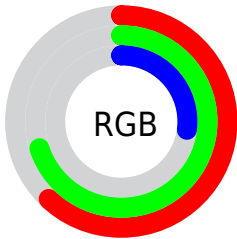
Format	Color
RYB	70, 178, 89
Decimal	10465862
CIELab	69.22, -21.99, 51.60
CIELCh	69, 56.086, 113.080
Yxy	39.6539, 0.3784, 0.4791
Android (android.graphics.Color)	4288655942 (0xFF9FB246)
YUV	160.0070, -44.3735, -0.8831
Hunter-Lab	62.9713, -21.4217, 32.9751

Details

The Yxy color **39.6539, 0.3784, 0.4791** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.7182, 0.2132, 0.1444**, and the grayscale version is **35.3557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8746, 0.3690, 0.4506**, and **17.6970, 0.3891, 0.5207** is the 20% darker color. If you saturate the color by 10%, you get **39.1466, 0.3845, 0.4980**, and if you desaturate by 10%, it is **40.2395, 0.3701, 0.4569**.

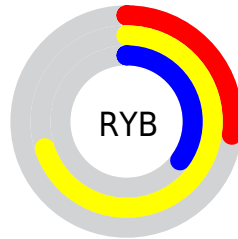
Distribution



Red (62%)

Green (70%)

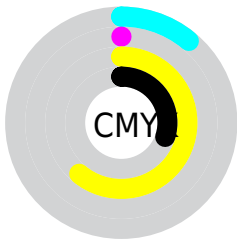
Blue (27%)



Red (27%)

Yellow (70%)

Blue (35%)

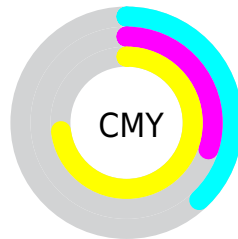


Cyan (11%)

Magenta (0%)

Yellow (61%)

Black (30%)



Cyan (38%)


Magenta (30%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6539, 0.3784, 0.4791 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 39.6539, 0.3784, 0.4791 by changing the saturation by 10% instead.


 39.6539, 0.3784,
0.4791


 39.6539, 0.3784,
0.4791

344.6626, 0.3492,
0.4015

 27.2688, 0.3835,
0.4981


 74.6362, 0.3692,
0.4509


 17.7752, 0.3883,
0.5216


 98.0022, 0.3653,
0.4402

 10.7887, 0.3915,
0.5509


 125.7972, 0.3618,
0.4312

 5.9249, 0.3990,
0.6010

 158.4058, 0.3587,
0.4235

 2.7995, 0.3728,
0.6272

 196.2122, 0.3559,
0.4169

 1.0280, 0.2967,
0.7033

239.6009, 0.3535,

 0.0000, 0.0000,

0.4111

0.0000

288.9562, 0.3512,
0.4060

■ 39.6539, 0.3784,
0.4791

■ 39.6539, 0.3784,
0.4791

■ 39.1466, 0.3845,
0.4980

■ 40.2395, 0.3701,
0.4569

■ 38.7062, 0.3882,
0.5129

■ 40.9035, 0.3602,
0.4324

■ 38.3271, 0.3893,
0.5232

■ 41.6526, 0.3491,
0.4067

■ 38.0151, 0.3886,
0.5297

■ 42.4911, 0.3373,
0.3806

■ 43.4232, 0.3253,
0.3551

■ 44.4528, 0.3135,
0.3306

■ 45.5834, 0.3021,
0.3076

■ 46.8184, 0.2913,
0.2863

■ 48.1612, 0.2812,
0.2667

Harmonies

Analogous

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



39.6539, 0.4433, 0.4416



39.6539, 0.3784, 0.4791



39.6539, 0.3003, 0.4669

Triad

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



39.6539, 0.3784, 0.4791



39.6539, 0.1723, 0.2420



39.6539, 0.3926, 0.2705

Complementary

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



39.6539, 0.3784, 0.4791



9.7182, 0.2132, 0.1444

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.



39.6539, 0.3076, 0.2291



39.6539, 0.3784, 0.4791



39.6539, 0.1891, 0.2104

Square

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



39.6539, 0.3784, 0.4791



39.6539, 0.1853, 0.3069



39.6539, 0.2349, 0.2076



39.6539, 0.4578, 0.3247

Rectangle

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



39.6539, 0.3784, 0.4791



39.6539, 0.2511, 0.4243



39.6539, 0.2349, 0.2076



39.6539, 0.3646, 0.2548

Sweetspot

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



39.6557, 0.3784, 0.4791



77.4288, 0.3345, 0.3745



16.8860, 0.4814, 0.3541



17.0507, 0.3379, 0.3820



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



39.6557, 0.3784, 0.4791



70.6797, 0.3861, 0.5038



35.3515, 0.3294, 0.5070



9.8294, 0.3237, 0.3517



27.2205, 0.3890, 0.5294



0.8763, 0.3980, 0.5222

Inverse Universe

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



9.7182, 0.2132, 0.1444



11.6476, 0.1891, 0.1059



13.3441, 0.2731, 0.1704



8.2998, 0.3011, 0.3057



2.5325, 0.1589, 0.0649



0.1014, 0.1833, 0.0783

Previews

White Background



This preview shows how the Yxy color 39.6539, 0.3784, 0.4791 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 39.6539, 0.3784, 0.4791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

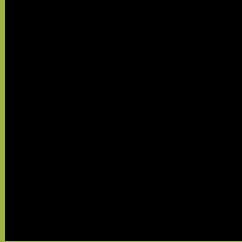
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6539, 0.3784, 0.4791

Background



This preview shows how black text looks on a background with the Yxy color 39.6539, 0.3784, 0.4791.



This preview shows how white text looks on a background with the Yxy color 39.6539, 0.3784, 0.4791.

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

39.6539, 0.3784, 0.4791

Protanopia

39.4725, 0.4157, 0.4566

Deuteranopia

39.2049, 0.4389, 0.4287



Tritanopia

39.5906, 0.3054, 0.3112

Trichromacy



Original Color

39.6539, 0.3784, 0.4791

Protanomaly

39.2695, 0.4017, 0.4650

Deuteranomaly

39.1948, 0.4165, 0.4472

Tritanomaly

39.2348, 0.3356, 0.3737

Monochromacy



Original Color

39.6539, 0.3784, 0.4791

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.6433, 0.3411, 0.3888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6539, 0.3784, 0.4791 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(159, 178, 70)` looks like.

```
.text, #text, p{  
    color:rgb(159, 178, 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(159, 178, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 178, 70) }
```

Border

The CSS property to change the border of an element to Yxy 39.6539, 0.3784, 0.4791 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(159, 178, 70) }
```

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

```
.border{ border-color:rgb(159, 178, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 178, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 178, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 178, 70);  
box-shadow:4px 4px 4px 4px rgb(159, 178,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6539, 0.3784, 0.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 178, 70) }
```

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

```
.background{ background-color: rgb(159,  
178, 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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