

Converting Colors

$Y_{xy}(39.7472, 0.3779, 0.4813)$

Have a look what the booklet for
Yxy(39.7472, 0.3779, 0.4813)
contains.

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Color

Yxy(39.9390, 0.3774, 0.4816)

Conversions

Conversions Part 1

Format	Color
Hex	9EB345
RGB	158, 179, 69
RGB Percent	62%, 70%, 27%
CMY	0.3803, 0.2980, 0.7293
CMYK	0.12, 0.00, 0.61, 0.30
HSL	71°, 44%, 49%
HSV	71°, 61%, 70%
XYZ	31.2977, 39.9390, 11.6931
YIQ	160.1810, 22.7940, -38.6620

Conversions

Conversions Part 2

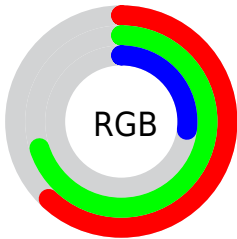
Format	Color
RYB	69, 179, 90
Decimal	10400581
CIELab	69.43, -22.94, 52.22
CIELCh	69, 57.039, 113.719
Yxy	39.9390, 0.3774, 0.4816
Android (android.graphics.Color)	4288590661 (0xFF9EB345)
YUV	160.1810, -44.9522, -1.9127
Hunter-Lab	63.1973, -22.1953, 33.2680

Details

The Yxy color **39.9390, 0.3774, 0.4816** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **9.6880, 0.2132, 0.1426**, and the grayscale version is **35.4484, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.2689, 0.3684, 0.4528**, and **17.8845, 0.3875, 0.5242** is the 20% darker color. If you saturate the color by 10%, you get **39.4093, 0.3831, 0.5005**, and if you desaturate by 10%, it is **40.5490, 0.3695, 0.4593**.

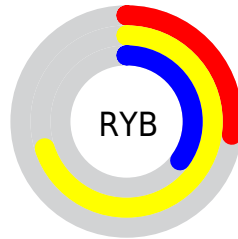
Distribution



Red (62%)

Green (70%)

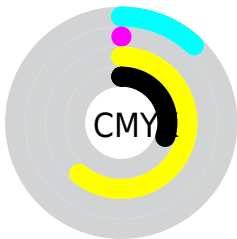
Blue (27%)



Red (27%)

Yellow (70%)

Blue (35%)

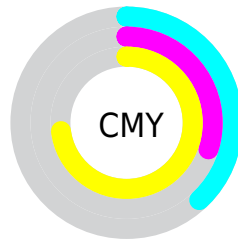


Cyan (12%)

Magenta (0%)

Yellow (61%)

Black (30%)



Cyan (38%)


Magenta (30%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9390, 0.3774, 0.4816 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 39.9390, 0.3774, 0.4816 by changing the saturation by 10% instead.


 39.9390, 0.3774,
0.4816


 39.9390, 0.3774,
0.4816


345.8664, 0.3490,
0.4027

 27.4910, 0.3822,
0.5009


 75.0706, 0.3685,
0.4529


 17.9423, 0.3867,
0.5248


 98.5230, 0.3647,
0.4421

 10.9086, 0.3893,
0.5544


 126.4123, 0.3613,
0.4330

 6.0054, 0.3954,
0.6046

 159.1229, 0.3583,
0.4251

 2.8484, 0.3684,
0.6316

 197.0393, 0.3556,
0.4184

 1.0531, 0.2908,
0.7092

240.5457, 0.3531,

 0.0000, 0.0000,

0.4125

0.0000

290.0266, 0.3509,
0.4073

■ 39.9390, 0.3774,
0.4816

■ 39.9390, 0.3774,
0.4816

■ 39.4093, 0.3831,
0.5005

■ 40.5490, 0.3695,
0.4593

■ 38.9482, 0.3863,
0.5153

■ 41.2393, 0.3600,
0.4347

■ 38.5500, 0.3870,
0.5256

■ 42.0169, 0.3492,
0.4089

■ 38.2458, 0.3860,
0.5317

■ 42.8863, 0.3377,
0.3827

■ 43.8516, 0.3260,
0.3570

■ 44.9168, 0.3144,
0.3324

■ 46.0856, 0.3031,
0.3093

■ 47.3615, 0.2925,
0.2879

■ 48.7478, 0.2825,
0.2682

Harmonies

Analogous

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



39.9390, 0.4437, 0.4439



39.9390, 0.3774, 0.4816



39.9390, 0.2983, 0.4682

Triad

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



39.9390, 0.3774, 0.4816



39.9390, 0.1707, 0.2397



39.9390, 0.3954, 0.2707

Complementary

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



39.9390, 0.3774, 0.4816



9.6880, 0.2132, 0.1426

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.



39.9390, 0.3092, 0.2286



39.9390, 0.3774, 0.4816



39.9390, 0.1883, 0.2085

Square

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



39.9390, 0.3774, 0.4816



39.9390, 0.1830, 0.3047



39.9390, 0.2352, 0.2064



39.9390, 0.4609, 0.3257

Rectangle

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



39.9390, 0.3774, 0.4816



39.9390, 0.2487, 0.4241



39.9390, 0.2352, 0.2064



39.9390, 0.3671, 0.2548

Sweetspot

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



39.9408, 0.3774, 0.4816



77.3315, 0.3340, 0.3746



17.1895, 0.4827, 0.3569



17.0260, 0.3374, 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.



39.9408, 0.3774, 0.4816



70.2523, 0.3846, 0.5067



35.6042, 0.3279, 0.5102



9.8231, 0.3235, 0.3517



27.0531, 0.3864, 0.5314



0.8723, 0.3962, 0.5236

Inverse Universe

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



9.6880, 0.2132, 0.1426



11.4280, 0.1891, 0.1042



13.4589, 0.2747, 0.1696



8.3056, 0.3014, 0.3057



2.5639, 0.1600, 0.0655



0.1038, 0.1859, 0.0797

Previews

White Background



This preview shows how the Yxy color 39.9390, 0.3774, 0.4816 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 39.9390, 0.3774, 0.4816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

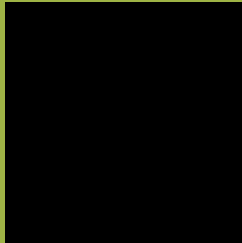
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9390, 0.3774, 0.4816

Background



This preview shows how black text looks on a background with the Yxy color 39.9390, 0.3774, 0.4816.



This preview shows how white text looks on a background with the Yxy color 39.9390, 0.3774, 0.4816.

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

39.9390, 0.3774, 0.4816

Protanopia

39.9616, 0.4165, 0.4580

Deuteranopia

39.6858, 0.4397, 0.4302



Tritanopia

39.8875, 0.3037, 0.3112

Trichromacy



Original Color

39.9390, 0.3774, 0.4816

Protanomaly

39.7574, 0.4025, 0.4664

Deuteranomaly

39.5495, 0.4164, 0.4492

Tritanomaly

39.5055, 0.3344, 0.3752

Monochromacy



Original Color

39.9390, 0.3774, 0.4816

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.5407, 0.3401, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9390, 0.3774, 0.4816 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(158, 179, 69)` looks like.

```
.text, #text, p{  
    color:rgb(158, 179, 69)  
}
```

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(158, 179, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 179, 69) }
```

Border

The CSS property to change the border of an element to Yxy 39.9390, 0.3774, 0.4816 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(158, 179, 69) }
```

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

```
.border{ border-color:rgb(158, 179, 69) }
```

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

Here you see how a box with a 4 pixel rgb(158, 179, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 179, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 179, 69);  
box-shadow:4px 4px 4px 4px rgb(158, 179,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9390, 0.3774, 0.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 179, 69) }
```

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

```
.background{ background-color: rgb(158,  
179, 69) }
```

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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