

Converting Colors

$Yxy(39.8467, 0.3679, 0.5078)$

Have a look what the booklet for
Yxy(39.8467, 0.3679, 0.5078)
contains.

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Color

Yxy(39.9824, 0.3677, 0.5078)

Conversions

Conversions Part 1

Format	Color
Hex	8FB737
RGB	143, 183, 55
RGB Percent	56%, 72%, 22%
CMY	0.4392, 0.2823, 0.7844
CMYK	0.22, 0.00, 0.70, 0.28
HSL	79°, 54%, 47%
HSV	79°, 70%, 72%
XYZ	28.9514, 39.9824, 9.8027
YIQ	156.4480, 17.2480, -48.2880

Conversions

Conversions Part 2

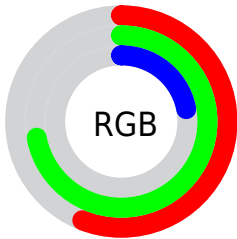
Format	Color
RYB	55, 183, 95
Decimal	9418551
CIELab	69.46, -31.93, 57.70
CIELCh	69, 65.947, 118.959
Yxy	39.9824, 0.3677, 0.5078
Android (android.graphics.Color)	4287608631 (0xFF8FB737)
YUV	156.4480, -50.0139, -11.7939
Hunter-Lab	63.2316, -28.9269, 35.0705

Details

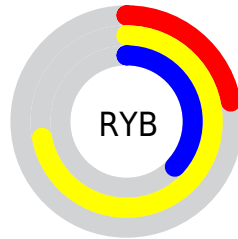
The Yxy color **39.9824, 0.3677, 0.5078** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.5808, 0.2123, 0.1245**, and the grayscale version is **33.6794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1165, 0.3624, 0.4739**, and **18.0400, 0.3650, 0.5484** is the 20% darker color. If you saturate the color by 10%, you get **39.3428, 0.3692, 0.5257**, and if you desaturate by 10%, it is **40.7167, 0.3638, 0.4858**.

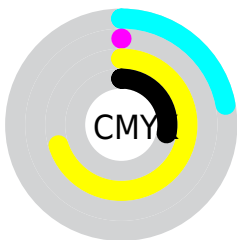
Distribution



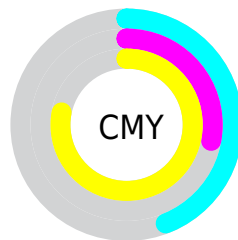
- Red (56%)
- Green (72%)
- Blue (22%)



- Red (22%)
- Yellow (72%)
- Blue (37%)



- Cyan (22%)
- Magenta (0%)
- Yellow (70%)
- Black (28%)




- Cyan (44%)
- Magenta (28%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9824, 0.3677, 0.5078 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 39.9824, 0.3677, 0.5078 by changing the saturation by 10% instead.


 39.9824, 0.3677,
0.5078

 39.9824, 0.3677,
0.5078


346.0494, 0.3462,
0.4146

 27.5248, 0.3699,
0.5306


 75.1367, 0.3620,
0.4739


 17.9678, 0.3703,
0.5587


 98.6022, 0.3592,
0.4611


 10.9269, 0.3670,
0.5937


 126.5059, 0.3565,
0.4502

 6.0177, 0.3579,
0.6421

 159.2320, 0.3541,
0.4410

 2.8558, 0.3200,
0.6800

 197.1650, 0.3518,
0.4330

 1.0569, 0.1694,
0.8306

 240.6893, 0.3498,

 0.0000, 0.0000,

0.4261

0.0000

290.1893, 0.3479,
0.4200

■ 39.9824, 0.3677,
0.5078

■ 39.9824, 0.3677,
0.5078

■ 39.3428, 0.3692,
0.5257

■ 40.7167, 0.3638,
0.4858

■ 38.7844, 0.3682,
0.5390

■ 41.5470, 0.3578,
0.4608

■ 38.2931, 0.3653,
0.5481

■ 42.4813, 0.3502,
0.4341

■ 38.2911, 0.3653,
0.5482

■ 43.5250, 0.3414,
0.4067

■ 44.6831, 0.3320,
0.3796

■ 45.9604, 0.3223,
0.3535

■ 47.3610, 0.3127,
0.3289

■ 48.8893, 0.3033,
0.3061

■ 50.5490, 0.2944,
0.2852

Harmonies

Analogous

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



39.9824, 0.4478, 0.4665



39.9824, 0.3677, 0.5078



39.9824, 0.2783, 0.4826

Triad

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



39.9824, 0.3677, 0.5078



39.9824, 0.1547, 0.2177



39.9824, 0.4241, 0.2722

Complementary

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



39.9824, 0.3677, 0.5078



8.5808, 0.2123, 0.1245

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.



39.9824, 0.3249, 0.2228



39.9824, 0.3677, 0.5078



39.9824, 0.1795, 0.1907

Square

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



39.9824, 0.3677, 0.5078



39.9824, 0.1614, 0.2832



39.9824, 0.2366, 0.1940



39.9824, 0.4912, 0.3340

Rectangle

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



39.9824, 0.3677, 0.5078



39.9824, 0.2251, 0.4229



39.9824, 0.2366, 0.1940



39.9824, 0.3922, 0.2539

Sweetspot

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



39.9842, 0.3677, 0.5078



79.7234, 0.3333, 0.3833



18.2399, 0.5007, 0.3779



17.4797, 0.3360, 0.3907



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.



39.9842, 0.3677, 0.5078



69.8994, 0.3690, 0.5335



35.8748, 0.3165, 0.5412



10.3589, 0.3217, 0.3519



26.7493, 0.3659, 0.5477



0.9742, 0.3802, 0.5363

Inverse Universe

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



8.5808, 0.2123, 0.1245



10.2252, 0.1890, 0.0908



13.3576, 0.2866, 0.1602



8.8519, 0.3032, 0.3057



3.0280, 0.1729, 0.0726



0.1406, 0.2034, 0.0894

Previews

White Background



This preview shows how the Yxy color 39.9824, 0.3677, 0.5078 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 39.9824, 0.3677, 0.5078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

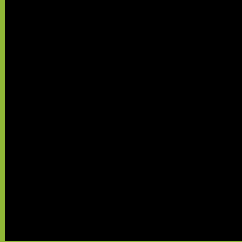
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9824, 0.3677, 0.5078

Background



This preview shows how black text looks on a background with the Yxy color 39.9824, 0.3677, 0.5078.



This preview shows how white text looks on a background with the Yxy color 39.9824, 0.3677, 0.5078.

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

39.9824, 0.3677, 0.5078

Protanopia

39.5621, 0.4265, 0.4685

Deuteranopia

39.6975, 0.4479, 0.4390



Tritanopia

39.8556, 0.2910, 0.3108

Trichromacy



Original Color

39.9824, 0.3677, 0.5078

Protanomaly

39.4043, 0.4047, 0.4834

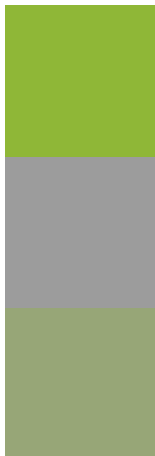
Deuteranomaly

39.1413, 0.4179, 0.4639

Tritanomaly

39.2384, 0.3242, 0.3857

Monochromacy



Original Color

39.9824, 0.3677, 0.5078

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.1837, 0.3394, 0.4017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9824, 0.3677, 0.5078 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(143, 183, 55)` looks like.

```
.text, #text, p{  
    color:rgb(143, 183, 55)  
}
```

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(143, 183, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 183, 55) }
```

Border

The CSS property to change the border of an element to Yxy 39.9824, 0.3677, 0.5078 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(143, 183, 55) }
```

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

```
.border{ border-color:rgb(143, 183, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 183, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 183, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 183, 55);  
box-shadow:4px 4px 4px 4px rgb(143, 183,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9824, 0.3677, 0.5078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 183, 55) }
```

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

```
.background{ background-color: rgb(143,  
183, 55) }
```

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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