

Converting Colors

$Yxy(39.7084, 0.3906, 0.5187)$

Have a look what the booklet for
Yxy(39.7084, 0.3906, 0.5187)
contains.

Yxy(39.5785, 0.3906, 0.5186)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.5785, 0.3906, 0.5186)

Conversions

Conversions Part 1

Format	Color
Hex	9AB418
RGB	154, 180, 24
RGB Percent	60%, 71%, 9%
CMY	0.3961, 0.2941, 0.9060
CMYK	0.14, 0.00, 0.87, 0.29
HSL	70°, 77%, 40%
HSV	70°, 87%, 71%
XYZ	29.8098, 39.5785, 6.9297
YIQ	154.4420, 34.5800, -54.0280

Conversions

Conversions Part 2

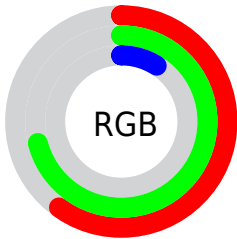
Format	Color
R _Y B	24, 180, 50
Decimal	10138648
CIE Lab	69.17, -27.39, 66.99
CIE LCh	69, 72.375, 112.240
Yxy	39.5785, 0.3906, 0.5186
Android (android.graphics.Color)	4288328728 (0xFF9AB418)
YUV	154.4420, -64.3079, -0.3876
Hunter-Lab	62.9114, -25.5150, 37.5072

Details

The Yxy color **39.5785, 0.3906, 0.5186** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.6250, 0.1702, 0.0797**, and the grayscale version is **32.7944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6761, 0.3826, 0.4853**, and **17.7754, 0.3807, 0.5359** is the 20% darker color. If you saturate the color by 10%, you get **39.2367, 0.3905, 0.5262**, and if you desaturate by 10%, it is **39.9797, 0.3883, 0.5066**.

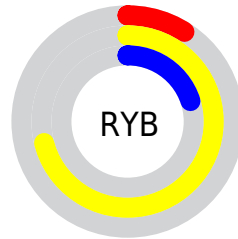
Distribution



Red (60%)

Green (71%)

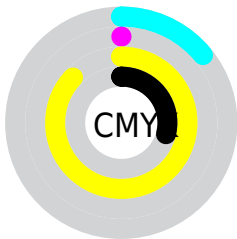
Blue (9%)



Red (9%)

Yellow (71%)

Blue (20%)

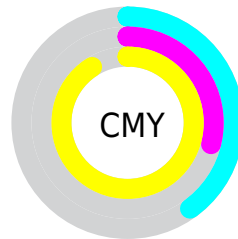


Cyan (14%)

Magenta (0%)

Yellow (87%)

Black (29%)



Cyan (40%)


Magenta (29%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5785, 0.3906, 0.5186 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 39.5785, 0.3906, 0.5186 by changing the saturation by 10% instead.


 39.5785, 0.3906,
0.5186


 39.5785, 0.3906,
0.5186


344.3438, 0.3599,
0.4230

 27.2101, 0.3937,
0.5400


 74.5212, 0.3825,
0.4851

 17.7310, 0.3946,
0.5649


 97.8643, 0.3784,
0.4720


 10.7571, 0.3962,
0.6017


 125.6344, 0.3746,
0.4608

 5.9037, 0.3762,
0.6238

 158.2159, 0.3711,
0.4512

 2.7866, 0.3433,
0.6567

 195.9932, 0.3679,
0.4427

 1.0214, 0.2247,
0.7753

 239.3507, 0.3650,

 0.0000, 0.0000,

0.4353

0.0000

288.6728, 0.3623,
0.4288

■ 39.5785, 0.3906,
0.5186

■ 39.5785, 0.3906,
0.5186

■ 39.2367, 0.3905,
0.5262

■ 39.9797, 0.3883,
0.5066

■ 39.1290, 0.3902,
0.5284

■ 40.4443, 0.3835,
0.4903

■ 40.9811, 0.3763,
0.4702

■ 41.5961, 0.3671,
0.4471

■ 42.2946, 0.3565,
0.4221

■ 43.0814, 0.3449,
0.3962

■ 43.9608, 0.3328,
0.3703

■ 44.9371, 0.3207,
0.3452

■ 46.0140, 0.3088,
0.3212

Harmonies

Analogous

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



39.5785, 0.4730, 0.4599



39.5785, 0.3906, 0.5186



39.5785, 0.2943, 0.5149

Triad

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



39.5785, 0.3906, 0.5186



39.5785, 0.1414, 0.2189



39.5785, 0.4116, 0.2535

Complementary

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



39.5785, 0.3906, 0.5186



4.6250, 0.1702, 0.0797

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.



39.5785, 0.3014, 0.2053



39.5785, 0.3906, 0.5186



39.5785, 0.1604, 0.1829

Square

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



39.5785, 0.3906, 0.5186



39.5785, 0.1556, 0.2996



39.5785, 0.2128, 0.1804



39.5785, 0.4977, 0.3167

Rectangle

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



39.5785, 0.3906, 0.5186



39.5785, 0.2339, 0.4593



39.5785, 0.2128, 0.1804



39.5785, 0.3747, 0.2353

Sweetspot

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



39.5803, 0.3906, 0.5186



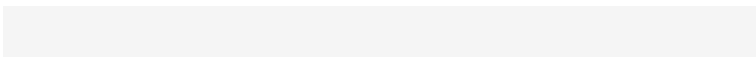
78.1440, 0.3446, 0.3956



12.0486, 0.5868, 0.3512



16.7805, 0.3486, 0.4044



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.



39.5803, 0.3906, 0.5186



70.8531, 0.3897, 0.5288



34.2475, 0.3236, 0.5693



9.8335, 0.3238, 0.3517



27.3316, 0.3906, 0.5281



0.8790, 0.3991, 0.5213

Inverse Universe

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



4.6250, 0.1702, 0.0797



6.4089, 0.1564, 0.0635



8.5359, 0.2498, 0.1221



8.2960, 0.3010, 0.3056



2.5132, 0.1581, 0.0645



0.0998, 0.1816, 0.0774

Previews

White Background



This preview shows how the Yxy color 39.5785, 0.3906, 0.5186 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 39.5785, 0.3906, 0.5186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

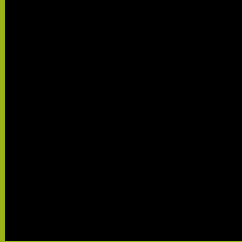
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5785, 0.3906, 0.5186

Background



This preview shows how black text looks on a background with the Yxy color 39.5785, 0.3906, 0.5186.



This preview shows how white text looks on a background with the Yxy color 39.5785, 0.3906, 0.5186.

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

39.5785, 0.3906, 0.5186

Protanopia

39.3736, 0.4372, 0.4842

Deuteranopia

39.2786, 0.4624, 0.4533



Tritanopia

39.2985, 0.3019, 0.3097

Trichromacy



Original Color

39.5785, 0.3906, 0.5186

Protanomaly

39.2884, 0.4202, 0.4971

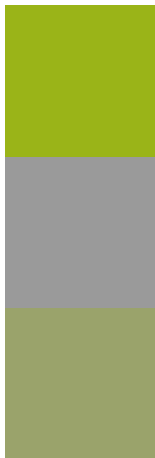
Deuteranomaly

38.8236, 0.4368, 0.4766

Tritanomaly

38.7468, 0.3452, 0.3994

Monochromacy



Original Color

39.5785, 0.3906, 0.5186

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.1259, 0.3539, 0.4153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5785, 0.3906, 0.5186 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(154, 180, 24)` looks like.

```
.text, #text, p{  
    color:rgb(154, 180, 24)  
}
```

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(154, 180, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 180, 24) }
```

Border

The CSS property to change the border of an element to Yxy 39.5785, 0.3906, 0.5186 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(154, 180, 24) }
```

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

```
.border{ border-color:rgb(154, 180, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 180, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 180, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 180, 24);  
box-shadow:4px 4px 4px 4px rgb(154, 180,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5785, 0.3906, 0.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 180, 24) }
```

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

```
.background{ background-color: rgb(154,  
180, 24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor