

Converting Colors

$Y_{xy}(46.5312, 0.3798, 0.5159)$

Have a look what the booklet for
Yxy(46.5312, 0.3798, 0.5159)
contains.

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Color

Yxy(46.5683, 0.3796, 0.5164)

Conversions

Conversions Part 1

Format	Color
Hex	9FC32A
RGB	159, 195, 42
RGB Percent	62%, 76%, 16%
CMY	0.3765, 0.2353, 0.8351
CMYK	0.18, 0.00, 0.78, 0.24
HSL	74°, 65%, 46%
HSV	74°, 78%, 76%
XYZ	34.2318, 46.5683, 9.3786
YIQ	166.7940, 27.6570, -55.2150

Conversions

Conversions Part 2

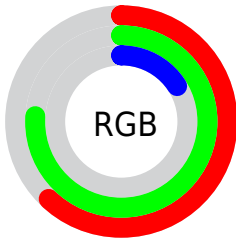
Format	Color
RYB	42, 195, 78
Decimal	10470186
CIELab	73.91, -31.81, 66.70
CIELCh	74, 73.895, 115.501
Yxy	46.5683, 0.3796, 0.5164
Android (android.graphics.Color)	4288660266 (0xFF9FC32A)
YUV	166.7940, -61.5234, -6.8353
Hunter-Lab	68.2410, -29.8804, 39.6203

Details

The Yxy color **46.5683, 0.3796, 0.5164** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **7.2213, 0.1885, 0.0985**, and the grayscale version is **38.8367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3121, 0.3729, 0.4836**, and **21.9333, 0.3734, 0.5417** is the 20% darker color. If you saturate the color by 10%, you get **46.0024, 0.3801, 0.5288**, and if you desaturate by 10%, it is **47.2238, 0.3765, 0.4994**.

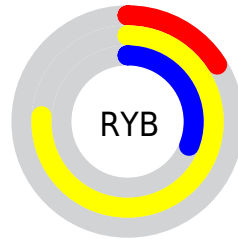
Distribution



Red (62%)

Green (76%)

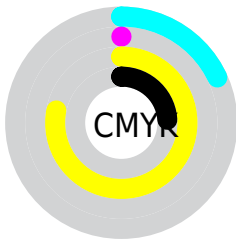
Blue (16%)



Red (16%)

Yellow (76%)

Blue (31%)

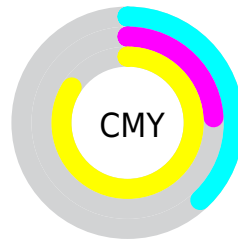


Cyan (18%)

Magenta (0%)

Yellow (78%)

Black (24%)



Cyan (38%)


Magenta (24%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.5683, 0.3796, 0.5164 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 46.5683, 0.3796, 0.5164 by changing the saturation by 10% instead.

 46.5683, 0.3796,
0.5164

 46.5683, 0.3796,
0.5164

373.0887, 0.3544,
0.4228

 32.6945, 0.3820,
0.5376


 85.0689, 0.3731,
0.4836

 21.8925, 0.3827,
0.5627


 110.4644, 0.3698,
0.4708

 13.7779, 0.3799,
0.5930


 140.4694, 0.3667,
0.4599

 7.9664, 0.3703,
0.6297

 175.4681, 0.3639,
0.4504

 4.0734, 0.3398,
0.6602

 215.8450, 0.3612,
0.4422

 1.7147, 0.2861,
0.7139

 261.9845, 0.3587,

 0.4332, 0.0000,

0.4349

1.0000

314.2709, 0.3565,
0.4285

■ 0.0000, 0.0000,
0.0000

■ 46.5683, 0.3796,
0.5164

■ 46.5683, 0.3796,
0.5164

■ 46.0024, 0.3801,
0.5288

■ 47.2238, 0.3765,
0.4994

■ 45.5056, 0.3784,
0.5369

■ 47.9714, 0.3710,
0.4785

■ 45.4312, 0.3781,
0.5380

■ 48.8208, 0.3633,
0.4545

■ 49.7786, 0.3541,
0.4287

■ 50.8511, 0.3438,
0.4020

■ 52.0437, 0.3329,
0.3754

■ 53.3617, 0.3219,
0.3497

■ 54.8097, 0.3110,
0.3253

■ 56.3925, 0.3006,
0.3026

Harmonies

Analogous

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



46.5683, 0.4620, 0.4649



46.5683, 0.3796, 0.5164



46.5683, 0.2856, 0.5018

Triad

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



46.5683, 0.3796, 0.5164



46.5683, 0.1461, 0.2166



46.5683, 0.4196, 0.2619

Complementary

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



46.5683, 0.3796, 0.5164



7.2213, 0.1885, 0.0985

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.



46.5683, 0.3131, 0.2126



46.5683, 0.3796, 0.5164



46.5683, 0.1681, 0.1850

Square

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



46.5683, 0.3796, 0.5164



46.5683, 0.1565, 0.2902



46.5683, 0.2234, 0.1855



46.5683, 0.4974, 0.3250

Rectangle

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



46.5683, 0.3796, 0.5164



46.5683, 0.2281, 0.4427



46.5683, 0.2234, 0.1855



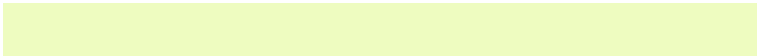
46.5683, 0.3847, 0.2435

Sweetspot

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



46.5704, 0.3796, 0.5164



91.9133, 0.3394, 0.3911



17.1815, 0.5457, 0.3658



19.9630, 0.3434, 0.4008



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.5704, 0.3796, 0.5164



81.7542, 0.3791, 0.5347



41.0309, 0.3200, 0.5590



11.6350, 0.3229, 0.3520



29.5665, 0.3787, 0.5375



1.3072, 0.3882, 0.5300

Inverse Universe

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



7.2213, 0.1885, 0.0985



8.7424, 0.1670, 0.0715



12.4907, 0.2693, 0.1399



9.8599, 0.3019, 0.3055



2.9694, 0.1638, 0.0676



0.1610, 0.1875, 0.0806

Previews

White Background



This preview shows how the Yxy color 46.5683, 0.3796, 0.5164 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 46.5683, 0.3796, 0.5164 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

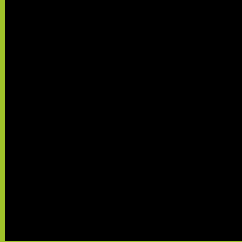
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5683, 0.3796, 0.5164

Background



This preview shows how black text looks on a background with the Yxy color 46.5683, 0.3796, 0.5164.



This preview shows how white text looks on a background with the Yxy color 46.5683, 0.3796, 0.5164.

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

46.5683, 0.3796, 0.5164

Protanopia

46.4397, 0.4325, 0.4782

Deuteranopia

46.0930, 0.4572, 0.4477



Tritanopia

46.5554, 0.2962, 0.3108

Trichromacy



Original Color

46.5683, 0.3796, 0.5164

Protanomaly

46.3852, 0.4129, 0.4925

Deuteranomaly

45.4208, 0.4288, 0.4724

Tritanomaly

45.8691, 0.3340, 0.3942

Monochromacy



Original Color

46.5683, 0.3796, 0.5164

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.7419, 0.3463, 0.4085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5683, 0.3796, 0.5164 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, 195, 42)` looks like.

```
.text, #text, p{  
    color:rgb(159, 195, 42)  
}
```

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, 195, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 195, 42) }
```

Border

The CSS property to change the border of an element to Yxy 46.5683, 0.3796, 0.5164 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, 195, 42) }
```

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

```
.border{ border-color:rgb(159, 195, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 195, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 195, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 195, 42);  
box-shadow:4px 4px 4px 4px rgb(159, 195,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5683, 0.3796, 0.5164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 195, 42) }
```

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

```
.background{ background-color: rgb(159,  
195, 42) }
```

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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