

Converting Colors

$Yxy(46.0726, 0.3788, 0.5036)$

Have a look what the booklet for
Yxy(46.0726, 0.3788, 0.5036)
contains.

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Color

Yxy(46.1068, 0.3786, 0.5033)

Conversions

Conversions Part 1

Format	Color
Hex	A2C138
RGB	162, 193, 56
RGB Percent	64%, 76%, 22%
CMY	0.3648, 0.2431, 0.7802
CMYK	0.16, 0.00, 0.71, 0.24
HSL	74°, 55%, 49%
HSV	74°, 71%, 76%
XYZ	34.6832, 46.1068, 10.8190
YIQ	168.1130, 25.5010, -49.1790

Conversions

Conversions Part 2

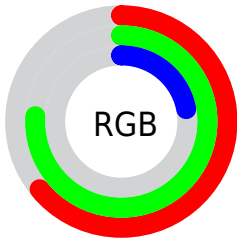
Format	Color
RYB	56, 193, 87
Decimal	10666296
CIELab	73.61, -28.97, 61.87
CIELCh	74, 68.321, 115.092
Yxy	46.1068, 0.3786, 0.5033
Android (android.graphics.Color)	4288856376 (0xFFA2C138)
YUV	168.1130, -55.2717, -5.3611
Hunter-Lab	67.9020, -27.6538, 38.0845

Details

The Yxy color **46.1068, 0.3786, 0.5033** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **8.7137, 0.1996, 0.1161**, and the grayscale version is **39.4863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7346, 0.3715, 0.4729**, and **21.5294, 0.3788, 0.5374** is the 20% darker color. If you saturate the color by 10%, you get **45.5050, 0.3812, 0.5190**, and if you desaturate by 10%, it is **46.8015, 0.3735, 0.4835**.

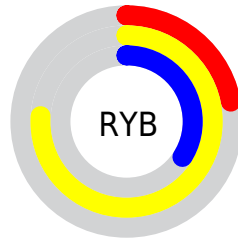
Distribution



Red (64%)

Green (76%)

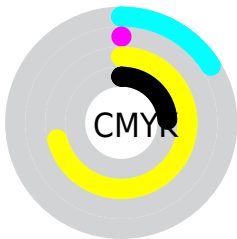
Blue (22%)



Red (22%)

Yellow (76%)

Blue (34%)

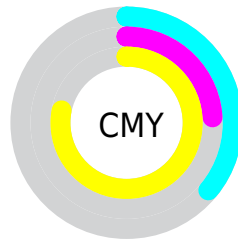


Cyan (16%)

Magenta (0%)

Yellow (71%)

Black (24%)



Cyan (36%)

Magenta (24%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1068, 0.3786, 0.5033 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 46.1068, 0.3786, 0.5033 by changing the saturation by 10% instead.


 46.1068, 0.3786,
0.5033

 46.1068, 0.3786,
0.5033

371.2379, 0.3524,
0.4157


 32.3301, 0.3820,
0.5236


 84.3788, 0.3713,
0.4723


 21.6138, 0.3841,
0.5480


 109.6429, 0.3678,
0.4603

 13.5734, 0.3832,
0.5772


 139.5050, 0.3646,
0.4501

 7.8245, 0.3805,
0.6195

 174.3493, 0.3617,
0.4413

 3.9829, 0.3524,
0.6476

 214.5604, 0.3590,
0.4336

 1.6640, 0.3036,
0.6964

260.5226, 0.3566,

 0.4002, 0.0000,

0.4269

1.0000

312.6203, 0.3544,
0.4210

■ 0.0000, 0.0000,
0.0000

■ 46.1068, 0.3786,
0.5033

■ 46.1068, 0.3786,
0.5033

■ 45.5050, 0.3812,
0.5190

■ 46.8015, 0.3735,
0.4835

■ 44.9808, 0.3813,
0.5300

■ 47.5904, 0.3662,
0.4603

■ 44.5598, 0.3797,
0.5367

■ 48.4824, 0.3572,
0.4350

■ 49.4835, 0.3469,
0.4085

■ 50.5992, 0.3360,
0.3819

■ 51.8347, 0.3248,
0.3560

■ 53.1946, 0.3138,
0.3313

■ 54.6836, 0.3030,
0.3082

■ 56.3057, 0.2929,
0.2868

Harmonies

Analogous

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



46.1068, 0.4551, 0.4577



46.1068, 0.3786, 0.5033



46.1068, 0.2901, 0.4883

Triad

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



46.1068, 0.3786, 0.5033



46.1068, 0.1553, 0.2250



46.1068, 0.4109, 0.2657

Complementary

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



46.1068, 0.3786, 0.5033



8.7137, 0.1996, 0.1161

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.



46.1068, 0.3123, 0.2189



46.1068, 0.3786, 0.5033



46.1068, 0.1759, 0.1937

Square

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



46.1068, 0.3786, 0.5033



46.1068, 0.1662, 0.2953



46.1068, 0.2283, 0.1934



46.1068, 0.4838, 0.3259

Rectangle

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



46.1068, 0.3786, 0.5033



46.1068, 0.2355, 0.4349



46.1068, 0.2283, 0.1934



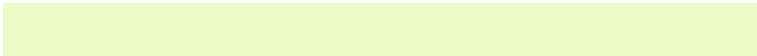
46.1068, 0.3786, 0.2481

Sweetspot

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



46.1089, 0.3786, 0.5033



90.5392, 0.3364, 0.3829



18.2362, 0.5188, 0.3636



19.3004, 0.3395, 0.3903



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.1089, 0.3786, 0.5033



80.9730, 0.3816, 0.5255



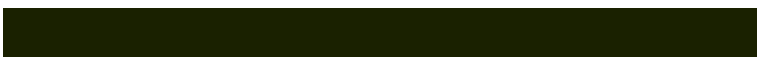
40.8540, 0.3236, 0.5398



11.6396, 0.3231, 0.3520



29.6724, 0.3802, 0.5363



1.3110, 0.3894, 0.5290

Inverse Universe

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



8.7137, 0.1996, 0.1161



10.2087, 0.1764, 0.0829



13.5739, 0.2719, 0.1512



9.8556, 0.3018, 0.3054



2.9429, 0.1630, 0.0671



0.1591, 0.1862, 0.0799

Previews

White Background



This preview shows how the Yxy color 46.1068, 0.3786, 0.5033 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 46.1068, 0.3786, 0.5033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

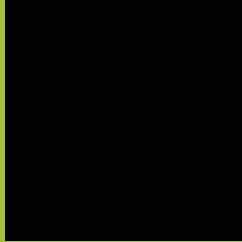
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1068, 0.3786, 0.5033

Background



This preview shows how black text looks on a background with the Yxy color 46.1068, 0.3786, 0.5033.



This preview shows how white text looks on a background with the Yxy color 46.1068, 0.3786, 0.5033.

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

46.1068, 0.3786, 0.5033

Protanopia

45.8613, 0.4262, 0.4708

Deuteranopia

45.5035, 0.4509, 0.4408



Tritanopia

45.8847, 0.2993, 0.3108

Trichromacy



Original Color

46.1068, 0.3786, 0.5033

Protanomaly

45.5291, 0.4084, 0.4829

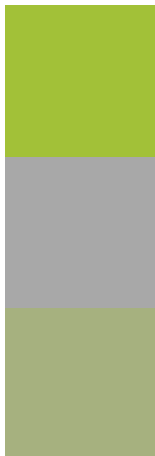
Deuteranomaly

45.1337, 0.4242, 0.4634

Tritanomaly

45.4822, 0.3340, 0.3856

Monochromacy



Original Color

46.1068, 0.3786, 0.5033

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.0836, 0.3441, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1068, 0.3786, 0.5033 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(162, 193, 56)` looks like.

```
.text, #text, p{  
    color:rgb(162, 193, 56)  
}
```

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(162, 193, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 193, 56) }
```

Border

The CSS property to change the border of an element to Yxy 46.1068, 0.3786, 0.5033 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(162, 193, 56) }
```

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

```
.border{ border-color:rgb(162, 193, 56) }
```

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

Here you see how a box with a 4 pixel rgb(162, 193, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 193, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 193, 56);  
box-shadow:4px 4px 4px 4px rgb(162, 193,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1068, 0.3786, 0.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 193, 56) }
```

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

```
.background{ background-color: rgb(162,  
193, 56) }
```

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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