

Converting Colors

$Y_{xy}(48.6309, 0.3868, 0.5284)$

Have a look what the booklet for
Yxy(48.6309, 0.3868, 0.5284)
contains.

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Color

Yxy(48.6553, 0.3866, 0.5286)

Conversions

Conversions Part 1

Format	Color
Hex	A3C70A
RGB	163, 199, 10
RGB Percent	64%, 78%, 4%
CMY	0.3607, 0.2196, 0.9604
CMYK	0.18, 0.00, 0.95, 0.22
HSL	71°, 90%, 41%
HSV	71°, 95%, 78%
XYZ	35.5848, 48.6553, 7.8055
YIQ	166.6900, 39.2130, -66.4110

Conversions

Conversions Part 2

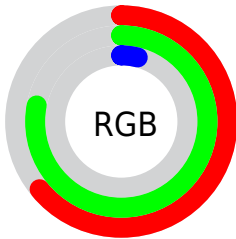
Format	Color
RYB	10, 199, 46
Decimal	10733322
CIELab	75.24, -32.89, 74.22
CIElCh	75, 81.184, 113.902
Yxy	48.6553, 0.3866, 0.5286
Android (android.graphics.Color)	4288923402 (0xFFA3C70A)
YUV	166.6900, -77.2482, -3.2361
Hunter-Lab	69.7534, -31.0062, 42.1927

Details

The Yxy color **48.6553, 0.3866, 0.5286** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.9261, 0.1630, 0.0695**, and the grayscale version is **38.8617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7055, 0.3811, 0.4950**, and **23.3150, 0.3734, 0.5417** is the 20% darker color. If you saturate the color by 10%, you get **48.4336, 0.3859, 0.5318**, and if you desaturate by 10%, it is **49.1354, 0.3869, 0.5201**.

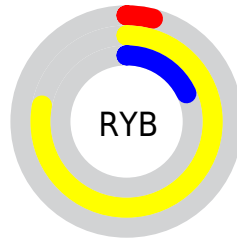
Distribution



Red (64%)

Green (78%)

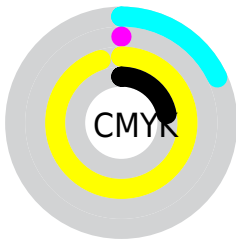
Blue (4%)



Red (4%)

Yellow (78%)

Blue (18%)

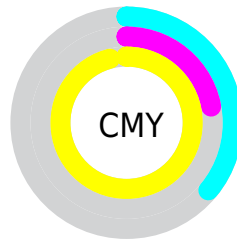


Cyan (18%)

Magenta (0%)

Yellow (95%)

Black (22%)



Cyan (36%)


Magenta (22%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6553, 0.3866, 0.5286 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 48.6553, 0.3866, 0.5286 by changing the saturation by 10% instead.


 48.6553, 0.3866,
0.5286


 48.6553, 0.3866,
0.5286


381.3837, 0.3604,
0.4314


 34.3461, 0.3884,
0.5494


 88.1793, 0.3804,
0.4953

 23.1596, 0.3879,
0.5734


 114.1629, 0.3771,
0.4821

 14.7114, 0.3851,
0.6040


 144.8067, 0.3738,
0.4707

 8.6171, 0.3694,
0.6306

 180.4952, 0.3707,
0.4607

 4.4923, 0.3397,
0.6603

 221.6128, 0.3678,
0.4520

 1.9526, 0.2907,
0.7093

 268.5438, 0.3651,

 0.5797, 0.0000,

0.4443

1.0000

321.6727, 0.3627,
0.4375

■ 0.0000, 0.0000,
0.0000

■ 48.6553, 0.3866,
0.5286

■ 48.6553, 0.3866,
0.5286

■ 48.4336, 0.3859,
0.5318

■ 49.1354, 0.3869,
0.5201

■ 49.6895, 0.3847,
0.5070

■ 50.3304, 0.3800,
0.4895

■ 51.0668, 0.3728,
0.4683

■ 51.9062, 0.3638,
0.4443

■ 52.8552, 0.3533,
0.4186

■ 53.9201, 0.3420,
0.3923

■ 55.1064, 0.3302,
0.3661

■ 56.4193, 0.3184,
0.3409

Harmonies

Analogous

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



48.6553, 0.4740, 0.4673



48.6553, 0.3866, 0.5286



48.6553, 0.2868, 0.5217

Triad

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



48.6553, 0.3866, 0.5286



48.6553, 0.1358, 0.2109



48.6553, 0.4221, 0.2537

Complementary

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



48.6553, 0.3866, 0.5286



4.9261, 0.1630, 0.0695

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.



48.6553, 0.3066, 0.2031



48.6553, 0.3866, 0.5286



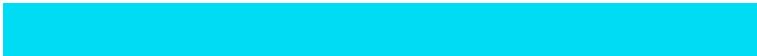
48.6553, 0.1571, 0.1766

Square

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



48.6553, 0.3866, 0.5286



48.6553, 0.1479, 0.2914



48.6553, 0.2129, 0.1760



48.6553, 0.5092, 0.3190

Rectangle

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



48.6553, 0.3866, 0.5286



48.6553, 0.2252, 0.4598



48.6553, 0.2129, 0.1760



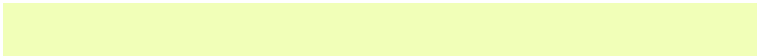
48.6553, 0.3838, 0.2346

Sweetspot

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



48.6575, 0.3866, 0.5286



93.7346, 0.3460, 0.4015



14.0213, 0.6094, 0.3483



19.8897, 0.3510, 0.4130



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.



48.6575, 0.3866, 0.5286



84.7015, 0.3854, 0.5322



42.1689, 0.3177, 0.5826



12.3110, 0.3236, 0.3520



31.1796, 0.3863, 0.5315



1.5034, 0.3936, 0.5257

Inverse Universe

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



4.9261, 0.1630, 0.0695



7.8627, 0.1578, 0.0643



9.8479, 0.2460, 0.1148



10.3831, 0.3012, 0.3053



2.9443, 0.1597, 0.0653



0.1694, 0.1793, 0.0761

Previews

White Background



This preview shows how the Yxy color 48.6553, 0.3866, 0.5286 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 48.6553, 0.3866, 0.5286 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 48.6553, 0.3866, 0.5286

Background



This preview shows how black text looks on a background with the Yxy color 48.6553, 0.3866, 0.5286.



This preview shows how white text looks on a background with the Yxy color 48.6553, 0.3866, 0.5286.

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

48.6553, 0.3866, 0.5286

Protanopia

48.2532, 0.4412, 0.4878

Deuteranopia

48.1110, 0.4659, 0.4551



Tritanopia

48.4518, 0.2965, 0.3099

Trichromacy



Original Color

48.6553, 0.3866, 0.5286

Protanomaly

48.0421, 0.4207, 0.5031

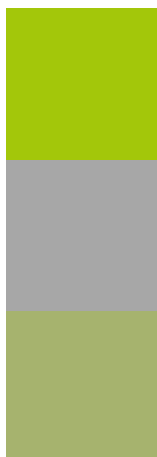
Deuteranomaly

47.7700, 0.4375, 0.4821

Tritanomaly

47.3498, 0.3438, 0.4096

Monochromacy



Original Color

48.6553, 0.3866, 0.5286

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

41.4730, 0.3571, 0.4273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6553, 0.3866, 0.5286 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(163, 199, 10)` looks like.

```
.text, #text, p{  
    color:rgb(163, 199, 10)  
}
```

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(163, 199, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 199, 10) }
```

Border

The CSS property to change the border of an element to Yxy 48.6553, 0.3866, 0.5286 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(163, 199, 10) }
```

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

```
.border{ border-color:rgb(163, 199, 10) }
```

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

Here you see how a box with a 4 pixel rgb(163, 199, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 199, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 199, 10);  
box-shadow:4px 4px 4px 4px rgb(163, 199,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6553, 0.3866, 0.5286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 199, 10) }
```

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

```
.background{ background-color: rgb(163,  
199, 10) }
```

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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