

Converting Colors

$Y_{xy}(46.5021, 0.3949, 0.5230)$

Have a look what the booklet for
Yxy(46.5021, 0.3949, 0.5230)
contains.

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Color

Yxy(46.3686, 0.3951, 0.5229)

Conversions

Conversions Part 1

Format	Color
Hex	A7C106
RGB	167, 193, 6
RGB Percent	65%, 76%, 2%
CMY	0.3452, 0.2431, 0.9770
CMYK	0.13, 0.00, 0.97, 0.24
HSL	68°, 94%, 39%
HSV	68°, 97%, 76%
XYZ	35.0358, 46.3686, 7.2714
YIQ	163.9080, 44.5310, -63.6690

Conversions

Conversions Part 2

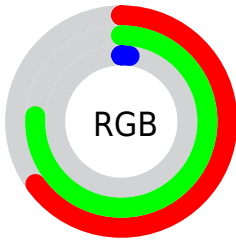
Format	Color
R_{YB}	6, 193, 32
Decimal	10993926
CIE Lab	73.78, -28.50, 73.66
CIE LCh	74, 78.977, 111.150
Yxy	46.3686, 0.3951, 0.5229
Android (android.graphics.Color)	4289184006 (0xFFA7C106)
YUV	163.9080, -77.8486, 2.7117
Hunter-Lab	68.0945, -27.3239, 41.3349

Details

The Yxy color **46.3686, 0.3951, 0.5229** 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 **4.2836, 0.1575, 0.0656**, and the grayscale version is **37.4329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5446, 0.3876, 0.4906**, and **21.7802, 0.3837, 0.5335** is the 20% darker color. If you saturate the color by 10%, you get **46.2692, 0.3949, 0.5246**, and if you desaturate by 10%, it is **46.7242, 0.3949, 0.5160**.

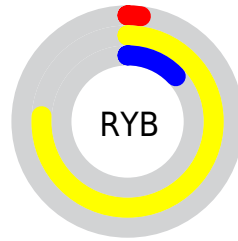
Distribution



Red (65%)

Green (76%)

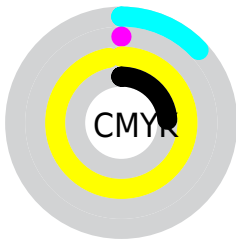
Blue (2%)



Red (2%)

Yellow (76%)

Blue (13%)

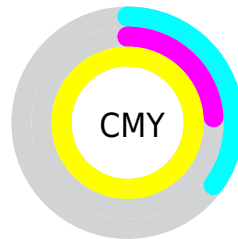


Cyan (13%)

Magenta (0%)

Yellow (97%)

Black (24%)



Cyan (35%)

Magenta (24%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3686, 0.3951, 0.5229 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 46.3686, 0.3951, 0.5229 by changing the saturation by 10% instead.


 46.3686, 0.3951,
0.5229


 46.3686, 0.3951,
0.5229


372.2886, 0.3643,
0.4288


 32.5368, 0.3980,
0.5428


 84.7704, 0.3873,
0.4909


 21.7718, 0.3987,
0.5654


 110.1091, 0.3833,
0.4781


 13.6893, 0.3985,
0.5959


 140.0523, 0.3795,
0.4670

 7.9049, 0.3827,
0.6173

 174.9843, 0.3759,
0.4574

 4.0342, 0.3553,
0.6447

 215.2896, 0.3726,
0.4489

 1.6927, 0.3084,
0.6916

 261.3524, 0.3696,

 0.4189, 0.0000,

0.4414

1.0000

313.5573, 0.3668,
0.4348

■ 0.0000, 0.0000,
0.0000

■ 46.3686, 0.3951,
0.5229

■ 46.3686, 0.3951,
0.5229

■ 46.2692, 0.3949,
0.5246

■ 46.7242, 0.3949,
0.5160

■ 47.1402, 0.3923,
0.5049

■ 47.6300, 0.3871,
0.4894

■ 48.2019, 0.3795,
0.4699

■ 48.8630, 0.3699,
0.4473

■ 49.6196, 0.3587,
0.4227

■ 50.4774, 0.3466,
0.3970

■ 51.4417, 0.3340,
0.3711

■ 52.5173, 0.3213,
0.3459

Harmonies

Analogous

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



46.3686, 0.4793, 0.4596



46.3686, 0.3951, 0.5229



46.3686, 0.2964, 0.5242

Triad

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



46.3686, 0.3951, 0.5229



46.3686, 0.1370, 0.2174



46.3686, 0.4107, 0.2491

Complementary

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



46.3686, 0.3951, 0.5229



4.2836, 0.1575, 0.0656

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.



46.3686, 0.2969, 0.2006



46.3686, 0.3951, 0.5229



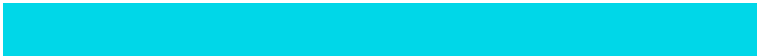
46.3686, 0.1551, 0.1796

Square

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



46.3686, 0.3951, 0.5229



46.3686, 0.1523, 0.3019



46.3686, 0.2072, 0.1762



46.3686, 0.5018, 0.3130

Rectangle

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



46.3686, 0.3951, 0.5229



46.3686, 0.2340, 0.4687



46.3686, 0.2072, 0.1762



46.3686, 0.3724, 0.2307

Sweetspot

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



46.3707, 0.3951, 0.5229



89.9944, 0.3497, 0.4034



12.3224, 0.6220, 0.3404



19.1645, 0.3549, 0.4145



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.



46.3707, 0.3951, 0.5229



82.7778, 0.3946, 0.5249



39.6325, 0.3218, 0.5806



11.6851, 0.3244, 0.3519



30.7970, 0.3953, 0.5244



1.3506, 0.4010, 0.5198

Inverse Universe

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



4.2836, 0.1575, 0.0656



7.2489, 0.1545, 0.0625



8.2925, 0.2331, 0.1071



9.8137, 0.3004, 0.3053



2.7354, 0.1560, 0.0633



0.1404, 0.1729, 0.0726

Previews

White Background



This preview shows how the Yxy color 46.3686, 0.3951, 0.5229 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 46.3686, 0.3951, 0.5229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

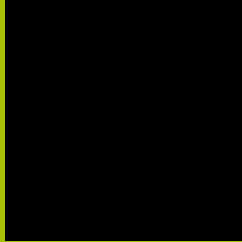
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3686, 0.3951, 0.5229

Background



This preview shows how black text looks on a background with the Yxy color 46.3686, 0.3951, 0.5229.



This preview shows how white text looks on a background with the Yxy color 46.3686, 0.3951, 0.5229.

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

46.3686, 0.3951, 0.5229

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

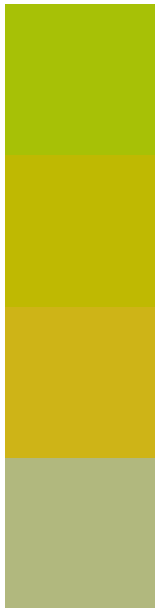
46.1088, 0.4656, 0.4566



Tritanopia

46.0803, 0.3035, 0.3097

Trichromacy



Original Color

46.3686, 0.3951, 0.5229

Protanomaly

45.7787, 0.4247, 0.5005

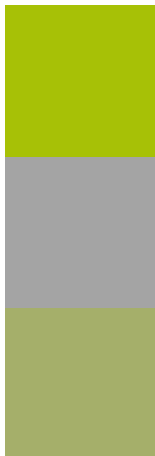
Deuteranomaly

45.8262, 0.4404, 0.4814

Tritanomaly

45.1344, 0.3531, 0.4082

Monochromacy



Original Color

46.3686, 0.3951, 0.5229

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

39.6999, 0.3609, 0.4283

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3686, 0.3951, 0.5229 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(167, 193, 6)` looks like.

```
.text, #text, p{  
    color:rgb(167, 193, 6)  
}
```

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(167, 193, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 193, 6) }
```

Border

The CSS property to change the border of an element to Yxy 46.3686, 0.3951, 0.5229 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(167, 193, 6) }
```

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

```
.border{ border-color:rgb(167, 193, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 193, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 193, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 193, 6);  
box-shadow:4px 4px 4px 4px rgb(167, 193,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3686, 0.3951, 0.5229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 193, 6) }
```

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

```
.background{ background-color: rgb(167,  
193, 6) }
```

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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