

Converting Colors

$Y_{xy}(50.9974, 0.3841, 0.5332)$

Have a look what the booklet for
Yxy(50.9974, 0.3841, 0.5332)
contains.

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Color

Yxy(50.9723, 0.3840, 0.5333)

Conversions

Conversions Part 1

Format	Color
Hex	A3CC00
RGB	163, 204, 0
RGB Percent	64%, 80%, 0%
CMY	0.3607, 0.2000, 0.9999
CMYK	0.20, 0.00, 1.00, 0.20
HSL	72°, 100%, 40%
HSV	72°, 100%, 80%
XYZ	36.7023, 50.9723, 7.9044
YIQ	168.4850, 41.0480, -72.1360

Conversions

Conversions Part 2

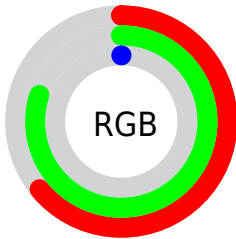
Format	Color
RYB	0, 204, 41
Decimal	10734592
CIELab	76.66, -35.31, 76.33
CIELCh	77, 84.100, 114.822
Yxy	50.9723, 0.3840, 0.5333
Android (android.graphics.Color)	4288924672 (0xFFA3CC00)
YUV	168.4850, -83.0631, -4.8103
Hunter-Lab	71.3949, -33.1786, 43.4122

Details

The Yxy color **50.9723, 0.3840, 0.5333** 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 **4.8314, 0.1595, 0.0652**, and the grayscale version is **39.8171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6897, 0.3814, 0.4956**, and **24.8769, 0.3692, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **50.9739, 0.3840, 0.5333**, and if you desaturate by 10%, it is **51.4662, 0.3854, 0.5263**.

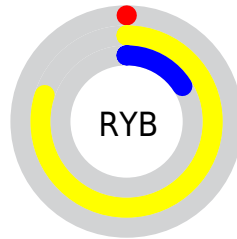
Distribution



Red (64%)

Green (80%)

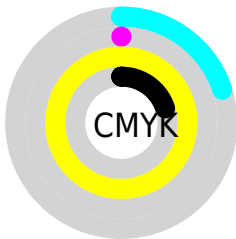
Blue (0%)



Red (0%)

Yellow (80%)

Blue (16%)

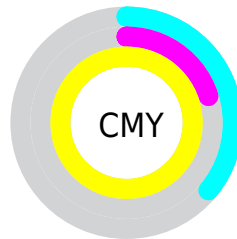


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (36%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9723, 0.3840, 0.5333 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 50.9723, 0.3840, 0.5333 by changing the saturation by 10% instead.

 50.9723, 0.3840,
0.5333


 50.9723, 0.3840,
0.5333


390.4562, 0.3598,
0.4344


 36.1866, 0.3852,
0.5543


 91.6138, 0.3787,
0.4996

 24.5783, 0.3840,
0.5784


 118.2384, 0.3756,
0.4862


 15.7632, 0.3801,
0.6088


 149.5781, 0.3726,
0.4746

 9.3567, 0.3640,
0.6360

 186.0172, 0.3697,
0.4644

 4.9746, 0.3340,
0.6660

 227.9401, 0.3669,
0.4555

 2.2324, 0.2856,
0.7144

 275.7314, 0.3644,

 0.7375, 0.0000,

0.4477

1.0000

329.7752, 0.3620,
0.4407

■ 0.0000, 0.0000,
0.0000

■ 50.9723, 0.3840,
0.5333

■ 50.9723, 0.3840,
0.5333

■ 50.9739, 0.3840,
0.5333

■ 51.4662, 0.3854,
0.5263

■ 52.0269, 0.3847,
0.5154

■ 52.6754, 0.3815,
0.4999

■ 53.4220, 0.3757,
0.4803

■ 54.2753, 0.3678,
0.4574

■ 55.2428, 0.3581,
0.4322

■ 56.3314, 0.3473,
0.4059

■ 57.5472, 0.3359,
0.3794

■ 58.8960, 0.3242,
0.3536

Harmonies

Analogous

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



50.9723, 0.4737, 0.4710



50.9723, 0.3840, 0.5333



50.9723, 0.2827, 0.5242

Triad

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



50.9723, 0.3840, 0.5333



50.9723, 0.1335, 0.2070



50.9723, 0.4277, 0.2542

Complementary

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



50.9723, 0.3840, 0.5333



4.8314, 0.1595, 0.0652

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.



50.9723, 0.3098, 0.2024



50.9723, 0.3840, 0.5333



50.9723, 0.1560, 0.1738

Square

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



50.9723, 0.3840, 0.5333



50.9723, 0.1443, 0.2869



50.9723, 0.2135, 0.1742



50.9723, 0.5146, 0.3204

Rectangle

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



50.9723, 0.3840, 0.5333



50.9723, 0.2207, 0.4590



50.9723, 0.2135, 0.1742



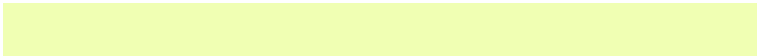
50.9723, 0.3887, 0.2348

Sweetspot

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



50.9746, 0.3840, 0.5333



93.2161, 0.3478, 0.4070



14.4107, 0.6186, 0.3470



19.7826, 0.3525, 0.4183



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.



50.9746, 0.3840, 0.5333



84.3273, 0.3835, 0.5337



44.1836, 0.3137, 0.5891



12.9785, 0.3235, 0.3521



32.1245, 0.3845, 0.5329



1.6869, 0.3917, 0.5272

Inverse Universe

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



4.8314, 0.1595, 0.0652



7.9294, 0.1586, 0.0647



10.1826, 0.2458, 0.1128



10.9507, 0.3013, 0.3053



3.0721, 0.1604, 0.0658



0.1911, 0.1794, 0.0762

Previews

White Background



This preview shows how the Yxy color 50.9723, 0.3840, 0.5333 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 50.9723, 0.3840, 0.5333 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 50.9723, 0.3840, 0.5333

Background



This preview shows how black text looks on a background with the Yxy color 50.9723, 0.3840, 0.5333.



This preview shows how white text looks on a background with the Yxy color 50.9723, 0.3840, 0.5333.

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

50.9723, 0.3840, 0.5333

Protanopia

50.5413, 0.4408, 0.4882

Deuteranopia

50.5509, 0.4657, 0.4552



Tritanopia

50.9380, 0.2938, 0.3101

Trichromacy



Original Color

50.9723, 0.3840, 0.5333

Protanomaly

50.1857, 0.4202, 0.5045

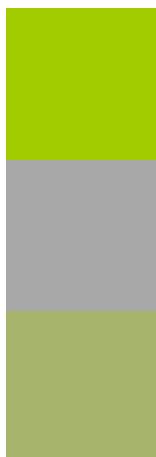
Deuteranomaly

49.8813, 0.4370, 0.4842

Tritanomaly

49.6406, 0.3440, 0.4165

Monochromacy



Original Color

50.9723, 0.3840, 0.5333

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

42.2163, 0.3586, 0.4337

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9723, 0.3840, 0.5333 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, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 204, 0)  
}
```

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, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.9723, 0.3840, 0.5333 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, 204, 0) }
```

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

```
.border{ border-color:rgb(163, 204, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9723, 0.3840, 0.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 204, 0) }
```

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

```
.background{ background-color: rgb(163,  
204, 0) }
```

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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