

Converting Colors

$Y_{xy}(50.0005, 0.3758, 0.5398)$

Have a look what the booklet for
Yxy(50.0005, 0.3758, 0.5398)
contains.

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Color

Yxy(49.9580, 0.3755, 0.5401)

Conversions

Conversions Part 1

Format	Color
Hex	99CC00
RGB	153, 204, 0
RGB Percent	60%, 80%, 0%
CMY	0.3999, 0.2000, 1.0000
CMYK	0.25, 0.00, 1.00, 0.20
HSL	75°, 100%, 40%
HSV	75°, 100%, 80%
XYZ	34.7329, 49.9580, 7.8068
YIQ	165.4950, 35.0880, -74.2560

Conversions

Conversions Part 2

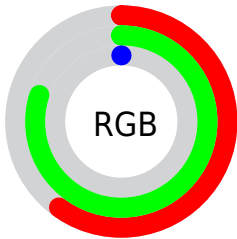
Format	Color
RYB	0, 204, 51
Decimal	10079232
CIELab	76.04, -39.27, 75.61
CIElCh	76, 85.199, 117.447
Yxy	49.9580, 0.3755, 0.5401
Android (android.graphics.Color)	4288269312 (0xFF99CC00)
YUV	165.4950, -81.5890, -10.9581
Hunter-Lab	70.6810, -35.9762, 42.9280

Details

The Yxy color **49.9580, 0.3755, 0.5401** 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 **5.0627, 0.1640, 0.0677**, and the grayscale version is **38.2691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1416, 0.3748, 0.5007**, and **24.2995, 0.3584, 0.5536** is the 20% darker color. If you saturate the color by 10%, you get **49.9606, 0.3755, 0.5401**, and if you desaturate by 10%, it is **50.5193, 0.3777, 0.5323**.

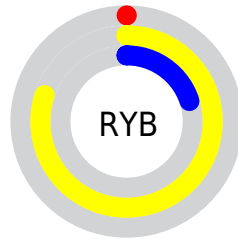
Distribution



Red (60%)

Green (80%)

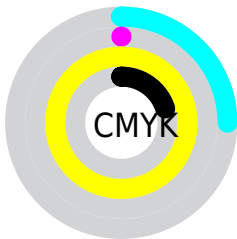
Blue (0%)



Red (0%)

Yellow (80%)

Blue (20%)

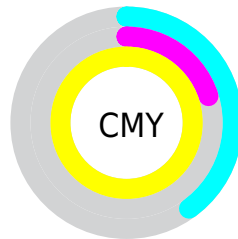


Cyan (25%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (40%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9580, 0.3755, 0.5401 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 49.9580, 0.3755, 0.5401 by changing the saturation by 10% instead.


 49.9580, 0.3755,
0.5401


 49.9580, 0.3755,
0.5401

386.5017, 0.3556,
0.4365


 35.3800, 0.3756,
0.5626


 90.1126, 0.3717,
0.5044

 23.9558, 0.3729,
0.5887


 116.4581, 0.3693,
0.4903


 15.3008, 0.3672,
0.6221


 147.4949, 0.3667,
0.4782

 9.0308, 0.3479,
0.6521

 183.6073, 0.3643,
0.4676

 4.7613, 0.3136,
0.6864

 225.1798, 0.3619,
0.4583

 2.1079, 0.2571,
0.7429

 272.5967, 0.3597,

 0.6690, 0.0000,

0.4501

1.0000

326.2426, 0.3576,
0.4429

■ 0.0000, 0.0000,
0.0000

■ 49.9580, 0.3755,
0.5401

■ 49.9580, 0.3755,
0.5401

■ 49.9606, 0.3755,
0.5401

■ 50.5193, 0.3777,
0.5323

■ 51.1543, 0.3779,
0.5204

■ 51.8846, 0.3754,
0.5039

■ 52.7205, 0.3706,
0.4833

■ 53.6707, 0.3635,
0.4594

■ 54.7430, 0.3548,
0.4335

■ 55.9442, 0.3448,
0.4066

■ 57.2807, 0.3343,
0.3797

■ 58.7583, 0.3234,
0.3537

Harmonies

Analogous

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



49.9580, 0.4687, 0.4793



49.9580, 0.3755, 0.5401



49.9580, 0.2728, 0.5226

Triad

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



49.9580, 0.3755, 0.5401



49.9580, 0.1317, 0.2002



49.9580, 0.4398, 0.2583

Complementary

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



49.9580, 0.3755, 0.5401



5.0627, 0.1640, 0.0677

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.



49.9580, 0.3197, 0.2042



49.9580, 0.3755, 0.5401



49.9580, 0.1573, 0.1703

Square

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



49.9580, 0.3755, 0.5401



49.9580, 0.1393, 0.2764



49.9580, 0.2188, 0.1734



49.9580, 0.5228, 0.3259

Rectangle

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



49.9580, 0.3755, 0.5401



49.9580, 0.2114, 0.4505



49.9580, 0.2188, 0.1734



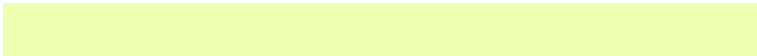
49.9580, 0.4007, 0.2382

Sweetspot

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



49.9606, 0.3755, 0.5401



92.5678, 0.3452, 0.4076



14.9186, 0.6122, 0.3521



19.6265, 0.3496, 0.4192



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.



49.9606, 0.3755, 0.5401



82.6334, 0.3749, 0.5405



43.9810, 0.3110, 0.5912



12.9501, 0.3228, 0.3522



31.4917, 0.3761, 0.5396



1.6590, 0.3849, 0.5326

Inverse Universe

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



5.0627, 0.1640, 0.0677



8.3005, 0.1630, 0.0672



10.8057, 0.2539, 0.1172



10.9771, 0.3021, 0.3053



3.2240, 0.1651, 0.0683



0.2032, 0.1860, 0.0798

Previews

White Background



This preview shows how the Yxy color 49.9580, 0.3755, 0.5401 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 49.9580, 0.3755, 0.5401 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 49.9580, 0.3755, 0.5401

Background



This preview shows how black text looks on a background with the Yxy color 49.9580, 0.3755, 0.5401.



This preview shows how white text looks on a background with the Yxy color 49.9580, 0.3755, 0.5401.

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

49.9580, 0.3755, 0.5401

Protanopia

49.3895, 0.4410, 0.4880

Deuteranopia

49.2464, 0.4649, 0.4549



Tritanopia

49.8926, 0.2870, 0.3098

Trichromacy



Original Color

49.9580, 0.3755, 0.5401

Protanomaly

49.0871, 0.4166, 0.5074

Deuteranomaly

48.5857, 0.4326, 0.4875

Tritanomaly

48.5344, 0.3354, 0.4190

Monochromacy



Original Color

49.9580, 0.3755, 0.5401

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

41.2602, 0.3550, 0.4357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9580, 0.3755, 0.5401 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(153, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.9580, 0.3755, 0.5401 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(153, 204, 0) }
```

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

```
.border{ border-color:rgb(153, 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(153, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9580, 0.3755, 0.5401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 204, 0) }
```

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

```
.background{ background-color: rgb(153,  
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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