

Converting Colors

$Y_{xy}(50.5525, 0.3722, 0.5386)$

Have a look what the booklet for
Yxy(50.5525, 0.3722, 0.5386)
contains.

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Color

Yxy(50.3725, 0.3726, 0.5383)

Conversions

Conversions Part 1

Format	Color
Hex	98CD0F
RGB	152, 205, 15
RGB Percent	60%, 80%, 6%
CMY	0.4039, 0.1961, 0.9410
CMYK	0.26, 0.00, 0.93, 0.20
HSL	77°, 86%, 43%
HSV	77°, 93%, 80%
XYZ	34.8668, 50.3725, 8.3377
YIQ	167.4930, 29.4020, -70.3260

Conversions

Conversions Part 2

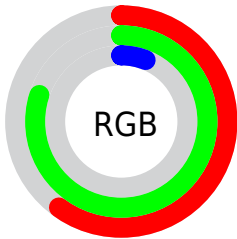
Format	Color
RYB	15, 205, 68
Decimal	10013967
CIELab	76.30, -39.91, 74.20
CIELCh	76, 84.254, 118.271
Yxy	50.3725, 0.3726, 0.5383
Android (android.graphics.Color)	4288204047 (0xFF98CD0F)
YUV	167.4930, -75.1790, -13.5874
Hunter-Lab	70.9736, -36.5131, 42.7163

Details

The Yxy color **50.3725, 0.3726, 0.5383** 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 **5.9809, 0.1746, 0.0769**, and the grayscale version is **39.2640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0735, 0.3724, 0.4978**, and **24.2456, 0.3573, 0.5545** is the 20% darker color. If you saturate the color by 10%, you get **49.9425, 0.3705, 0.5440**, and if you desaturate by 10%, it is **51.0300, 0.3739, 0.5272**.

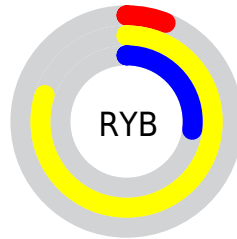
Distribution



Red (60%)

Green (80%)

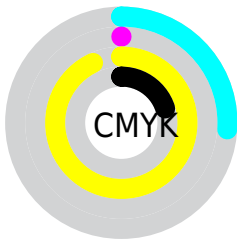
Blue (6%)



Red (6%)

Yellow (80%)

Blue (27%)

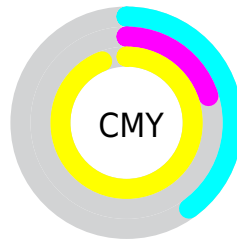


Cyan (26%)

Magenta (0%)

Yellow (93%)

Black (20%)



Cyan (40%)


Magenta (20%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3725, 0.3726, 0.5383 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 50.3725, 0.3726, 0.5383 by changing the saturation by 10% instead.

 50.3725, 0.3726,
0.5383


 50.3725, 0.3726,
0.5383


388.1209, 0.3537,
0.4351

 35.7095, 0.3727,
0.5610


 90.7265, 0.3690,
0.5026


 24.2099, 0.3701,
0.5875


 117.1863, 0.3667,
0.4885


 15.4894, 0.3639,
0.6204


 148.3472, 0.3643,
0.4764

 9.1636, 0.3463,
0.6537

 184.5935, 0.3619,
0.4659

 4.8480, 0.3118,
0.6882

 226.3096, 0.3597,
0.4567

 2.1584, 0.2555,
0.7445

 273.8799, 0.3575,

 0.6972, 0.0000,

0.4486

1.0000

327.6889, 0.3555,
0.4415

■ 0.0000, 0.0000,
0.0000

■ 50.3725, 0.3726,
0.5383

■ 50.3725, 0.3726,
0.5383

■ 49.9425, 0.3705,
0.5440

■ 51.0300, 0.3739,
0.5272

■ 51.7836, 0.3727,
0.5113

■ 52.6467, 0.3689,
0.4911

■ 53.6285, 0.3629,
0.4674

■ 54.7371, 0.3551,
0.4414

■ 55.9799, 0.3460,
0.4143

■ 57.3634, 0.3360,
0.3871

■ 58.8939, 0.3257,
0.3606

■ 60.5771, 0.3154,
0.3354

Harmonies

Analogous

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



50.3725, 0.4652, 0.4802



50.3725, 0.3726, 0.5383



50.3725, 0.2710, 0.5174

Triad

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



50.3725, 0.3726, 0.5383



50.3725, 0.1337, 0.2005



50.3725, 0.4412, 0.2609

Complementary

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



50.3725, 0.3726, 0.5383



5.9809, 0.1746, 0.0769

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.



50.3725, 0.3229, 0.2067



50.3725, 0.3726, 0.5383



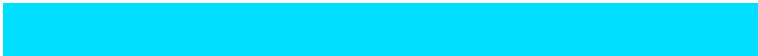
50.3725, 0.1600, 0.1716

Square

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



50.3725, 0.3726, 0.5383



50.3725, 0.1405, 0.2746



50.3725, 0.2222, 0.1755



50.3725, 0.5213, 0.3283

Rectangle

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



50.3725, 0.3726, 0.5383



50.3725, 0.2106, 0.4450



50.3725, 0.2222, 0.1755



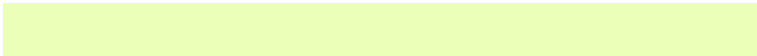
50.3725, 0.4029, 0.2408

Sweetspot

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



50.3747, 0.3726, 0.5383



92.6396, 0.3417, 0.4025



16.8750, 0.5868, 0.3641



19.6230, 0.3460, 0.4144



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.



50.3747, 0.3726, 0.5383



81.6923, 0.3699, 0.5445



44.6401, 0.3116, 0.5858



12.9333, 0.3223, 0.3522



31.1394, 0.3712, 0.5435



1.6432, 0.3810, 0.5357

Inverse Universe

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



5.9809, 0.1746, 0.0769



8.5651, 0.1661, 0.0689



12.2942, 0.2665, 0.1269



10.9930, 0.3025, 0.3053



3.3306, 0.1684, 0.0701



0.2105, 0.1899, 0.0820

Previews

White Background



This preview shows how the Yxy color 50.3725, 0.3726, 0.5383 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 50.3725, 0.3726, 0.5383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

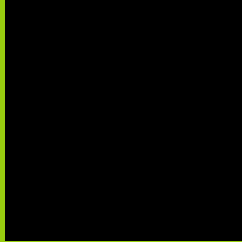
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3725, 0.3726, 0.5383

Background



This preview shows how black text looks on a background with the Yxy color 50.3725, 0.3726, 0.5383.



This preview shows how white text looks on a background with the Yxy color 50.3725, 0.3726, 0.5383.

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

50.3725, 0.3726, 0.5383

Protanopia

49.9635, 0.4409, 0.4881

Deuteranopia

49.8269, 0.4641, 0.4544



Tritanopia

50.3758, 0.2864, 0.3098

Trichromacy



Original Color

50.3725, 0.3726, 0.5383

Protanomaly

49.5417, 0.4152, 0.5073

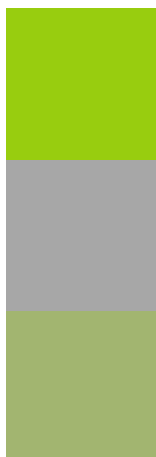
Deuteranomaly

49.0445, 0.4301, 0.4859

Tritanomaly

49.1785, 0.3302, 0.4104

Monochromacy



Original Color

50.3725, 0.3726, 0.5383

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

41.8990, 0.3510, 0.4282

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3725, 0.3726, 0.5383 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(152, 205, 15)` looks like.

```
.text, #text, p{  
    color:rgb(152, 205, 15)  
}
```

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(152, 205, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 205, 15) }
```

Border

The CSS property to change the border of an element to Yxy 50.3725, 0.3726, 0.5383 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(152, 205, 15) }
```

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

```
.border{ border-color:rgb(152, 205, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 205, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 205, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 205, 15);  
box-shadow:4px 4px 4px 4px rgb(152, 205,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3725, 0.3726, 0.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 205, 15) }
```

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

```
.background{ background-color: rgb(152,  
205, 15) }
```

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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