

Converting Colors

$Y_{xy}(50.1228, 0.3769, 0.5390)$

Have a look what the booklet for
Yxy(50.1228, 0.3769, 0.5390)
contains.

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Color

Yxy(50.1543, 0.3771, 0.5387)

Conversions

Conversions Part 1

Format	Color
Hex	9BCC00
RGB	155, 204, 0
RGB Percent	61%, 80%, 0%
CMY	0.3922, 0.2000, 0.9987
CMYK	0.24, 0.00, 1.00, 0.20
HSL	74°, 100%, 40%
HSV	74°, 100%, 80%
XYZ	35.1089, 50.1543, 7.8392
YIQ	166.0930, 36.2800, -73.8320

Conversions

Conversions Part 2

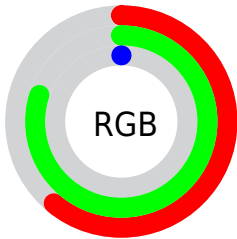
Format	Color
RYB	0, 204, 49
Decimal	10210304
CIELab	76.16, -38.50, 75.70
CIELCh	76, 84.931, 116.960
Yxy	50.1543, 0.3771, 0.5387
Android (android.graphics.Color)	4288400384 (0xFF9BCC00)
YUV	166.0930, -81.8838, -9.7286
Hunter-Lab	70.8197, -35.4429, 43.0108

Details

The Yxy color **50.1543, 0.3771, 0.5387** 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 **5.0293, 0.1632, 0.0673**, and the grayscale version is **38.5892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4407, 0.3762, 0.4998**, and **24.4094, 0.3605, 0.5519** is the 20% darker color. If you saturate the color by 10%, you get **50.1478, 0.3771, 0.5388**, and if you desaturate by 10%, it is **50.7047, 0.3792, 0.5310**.

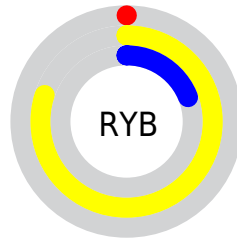
Distribution



Red (61%)

Green (80%)

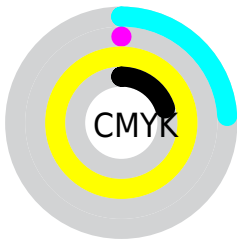
Blue (0%)



Red (0%)

Yellow (80%)

Blue (19%)

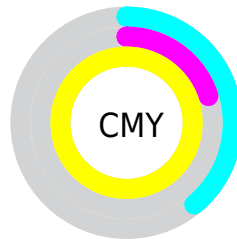


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (39%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1543, 0.3771, 0.5387 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 50.1543, 0.3771, 0.5387 by changing the saturation by 10% instead.


 50.1543, 0.3771,
0.5387


 50.1543, 0.3771,
0.5387


387.2690, 0.3564,
0.4360

 35.5360, 0.3775,
0.5609


 90.4035, 0.3730,
0.5034


 24.0761, 0.3751,
0.5866


 116.8031, 0.3704,
0.4895


 15.3901, 0.3696,
0.6194


 147.8987, 0.3678,
0.4774

 9.0936, 0.3511,
0.6489

 184.0746, 0.3653,
0.4669

 4.8023, 0.3176,
0.6824

 225.7151, 0.3628,
0.4577

 2.1317, 0.2630,
0.7370

 273.2048, 0.3605,

 0.6824, 0.0000,

0.4496

1.0000

326.9280, 0.3584,
0.4424

■ 0.0000, 0.0000,
0.0000

■ 50.1543, 0.3771,
0.5387

■ 50.1543, 0.3771,
0.5387

■ 50.1478, 0.3771,
0.5388

■ 50.7047, 0.3792,
0.5310

■ 51.3284, 0.3791,
0.5193

■ 52.0460, 0.3765,
0.5029

■ 52.8679, 0.3714,
0.4823

■ 53.8028, 0.3642,
0.4586

■ 54.8582, 0.3552,
0.4328

■ 56.0410, 0.3451,
0.4060

■ 57.3577, 0.3344,
0.3793

■ 58.8139, 0.3234,
0.3533

Harmonies

Analogous

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



50.1543, 0.4696, 0.4777



50.1543, 0.3771, 0.5387



50.1543, 0.2747, 0.5228

Triad

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



50.1543, 0.3771, 0.5387



50.1543, 0.1321, 0.2016



50.1543, 0.4375, 0.2576

Complementary

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



50.1543, 0.3771, 0.5387



5.0293, 0.1632, 0.0673

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.



50.1543, 0.3178, 0.2039



50.1543, 0.3771, 0.5387



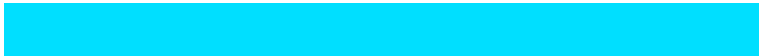
50.1543, 0.1571, 0.1710

Square

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



50.1543, 0.3771, 0.5387



50.1543, 0.1403, 0.2784



50.1543, 0.2178, 0.1737



50.1543, 0.5212, 0.3249

Rectangle

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



50.1543, 0.3771, 0.5387



50.1543, 0.2132, 0.4520



50.1543, 0.2178, 0.1737



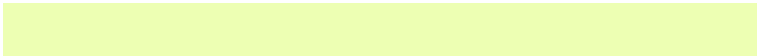
50.1543, 0.3984, 0.2376

Sweetspot

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



50.1565, 0.3771, 0.5387



92.6876, 0.3457, 0.4075



14.9415, 0.6118, 0.3522



19.6553, 0.3501, 0.4190



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.



50.1565, 0.3771, 0.5387



82.9386, 0.3765, 0.5392



43.9923, 0.3111, 0.5911



12.9554, 0.3229, 0.3522



31.6059, 0.3777, 0.5383



1.6641, 0.3862, 0.5316

Inverse Universe

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



5.0293, 0.1632, 0.0673



8.2243, 0.1621, 0.0667



10.8224, 0.2540, 0.1173



10.9722, 0.3019, 0.3053



3.1931, 0.1642, 0.0678



0.2010, 0.1848, 0.0792

Previews

White Background



This preview shows how the Yxy color 50.1543, 0.3771, 0.5387 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 50.1543, 0.3771, 0.5387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

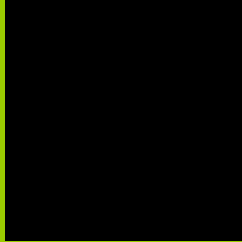
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1543, 0.3771, 0.5387

Background



This preview shows how black text looks on a background with the Yxy color 50.1543, 0.3771, 0.5387.



This preview shows how white text looks on a background with the Yxy color 50.1543, 0.3771, 0.5387.

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

50.1543, 0.3771, 0.5387

Protanopia

49.8153, 0.4400, 0.4888

Deuteranopia

49.8072, 0.4650, 0.4555



Tritanopia

50.1189, 0.2885, 0.3098

Trichromacy



Original Color

50.1543, 0.3771, 0.5387

Protanomaly

49.6599, 0.4166, 0.5074

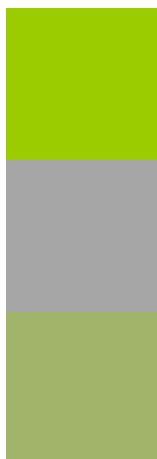
Deuteranomaly

48.8720, 0.4343, 0.4861

Tritanomaly

48.7759, 0.3364, 0.4171

Monochromacy



Original Color

50.1543, 0.3771, 0.5387

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

41.3645, 0.3559, 0.4353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1543, 0.3771, 0.5387 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(155, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(155, 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(155, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.1543, 0.3771, 0.5387 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(155, 204, 0) }
```

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

```
.border{ border-color:rgb(155, 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(155, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(155, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1543, 0.3771, 0.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 204, 0) }
```

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

```
.background{ background-color: rgb(155,  
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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