

Converting Colors

$Y_{xy}(49.6672, 0.3729, 0.5421)$

Have a look what the booklet for
Yxy(49.6672, 0.3729, 0.5421)
contains.

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Color

Yxy(49.6698, 0.3729, 0.5421)

Conversions

Conversions Part 1

Format	Color
Hex	96CC00
RGB	150, 204, 0
RGB Percent	59%, 80%, 0%
CMY	0.4119, 0.2000, 0.9997
CMYK	0.26, 0.00, 1.00, 0.20
HSL	76°, 100%, 40%
HSV	76°, 100%, 80%
XYZ	34.1669, 49.6698, 7.7881
YIQ	164.5980, 33.3000, -74.8920

Conversions

Conversions Part 2

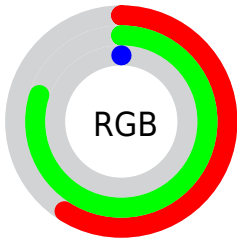
Format	Color
RYB	0, 204, 54
Decimal	9882624
CIELab	75.87, -40.46, 75.37
CIELCh	76, 85.542, 118.227
Yxy	49.6698, 0.3729, 0.5421
Android (android.graphics.Color)	4288072704 (0xFF96CC00)
YUV	164.5980, -81.1468, -12.8024
Hunter-Lab	70.4768, -36.7983, 42.7819

Details

The Yxy color **49.6698, 0.3729, 0.5421** 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 **5.1495, 0.1656, 0.0686**, and the grayscale version is **37.8112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6998, 0.3727, 0.5021**, and **24.0880, 0.3542, 0.5569** is the 20% darker color. If you saturate the color by 10%, you get **49.6698, 0.3729, 0.5421**, and if you desaturate by 10%, it is **50.2487, 0.3754, 0.5341**.

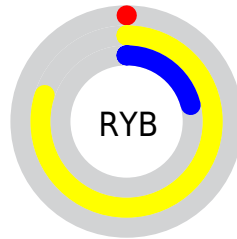
Distribution



Red (59%)

Green (80%)

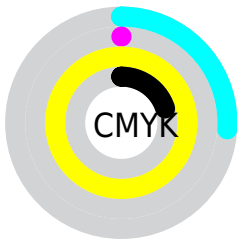
Blue (0%)



Red (0%)

Yellow (80%)

Blue (21%)

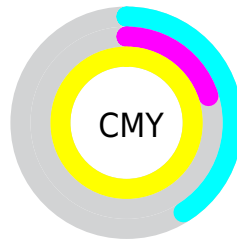


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (41%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6698, 0.3729, 0.5421 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 49.6698, 0.3729, 0.5421 by changing the saturation by 10% instead.

 49.6698, 0.3729,
0.5421

 49.6698, 0.3729,
0.5421


385.3733, 0.3543,
0.4371


 35.1511, 0.3727,
0.5650


 89.6854, 0.3696,
0.5058


 23.7793, 0.3696,
0.5917


 115.9512, 0.3673,
0.4915


 15.1700, 0.3632,
0.6261


 146.9014, 0.3649,
0.4792

 8.9388, 0.3431,
0.6569

 182.9205, 0.3626,
0.4685

 4.7013, 0.3074,
0.6926

 224.3928, 0.3603,
0.4591

 2.0731, 0.2475,
0.7525

 271.7028, 0.3582,

 0.6494, 0.0000,

0.4509

1.0000

325.2348, 0.3562,
0.4436

■ 0.0000, 0.0000,
0.0000

■ 49.6698, 0.3729,
0.5421

■ 50.2487, 0.3754,
0.5341

■ 50.9044, 0.3757,
0.5219

■ 51.6580, 0.3736,
0.5051

■ 52.5199, 0.3690,
0.4841

■ 53.4989, 0.3622,
0.4599

■ 54.6026, 0.3537,
0.4337

■ 55.8381, 0.3440,
0.4067

■ 57.2117, 0.3337,
0.3797

■ 58.7293, 0.3231,
0.3536

Harmonies

Analogous

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



49.6698, 0.4671, 0.4818



49.6698, 0.3729, 0.5421



49.6698, 0.2699, 0.5219

Triad

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



49.6698, 0.3729, 0.5421



49.6698, 0.1312, 0.1982



49.6698, 0.4435, 0.2595

Complementary

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



49.6698, 0.3729, 0.5421



5.1495, 0.1656, 0.0686

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.



49.6698, 0.3228, 0.2048



49.6698, 0.3729, 0.5421



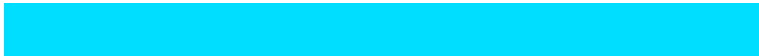
49.6698, 0.1577, 0.1693

Square

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



49.6698, 0.3729, 0.5421



49.6698, 0.1379, 0.2733



49.6698, 0.2205, 0.1732



49.6698, 0.5252, 0.3276

Rectangle

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



49.6698, 0.3729, 0.5421



49.6698, 0.2087, 0.4478



49.6698, 0.2205, 0.1732



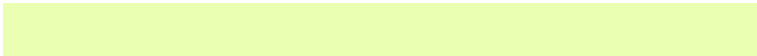
49.6698, 0.4043, 0.2392

Sweetspot

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



49.6720, 0.3729, 0.5421



92.3704, 0.3445, 0.4078



15.2122, 0.6087, 0.3549



19.5791, 0.3487, 0.4194



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.



49.6720, 0.3729, 0.5421



82.1387, 0.3723, 0.5426



43.8962, 0.3098, 0.5922



12.9414, 0.3225, 0.3522



31.3066, 0.3735, 0.5416



1.6508, 0.3829, 0.5342

Inverse Universe

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



5.1495, 0.1656, 0.0686



8.4337, 0.1646, 0.0680



11.1369, 0.2580, 0.1195



10.9854, 0.3023, 0.3053



3.2778, 0.1668, 0.0692



0.2070, 0.1880, 0.0809

Previews

White Background



This preview shows how the Yxy color 49.6698, 0.3729, 0.5421 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 49.6698, 0.3729, 0.5421 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 49.6698, 0.3729, 0.5421

Background



This preview shows how black text looks on a background with the Yxy color 49.6698, 0.3729, 0.5421.



This preview shows how white text looks on a background with the Yxy color 49.6698, 0.3729, 0.5421.

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

49.6698, 0.3729, 0.5421

Protanopia

49.2423, 0.4401, 0.4887

Deuteranopia

49.2464, 0.4649, 0.4549



Tritanopia

49.6697, 0.2855, 0.3097

Trichromacy



Original Color

49.6698, 0.3729, 0.5421

Protanomaly

48.8313, 0.4148, 0.5088

Deuteranomaly

48.4440, 0.4317, 0.4882

Tritanomaly

48.3233, 0.3338, 0.4195

Monochromacy



Original Color

49.6698, 0.3729, 0.5421

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

40.7337, 0.3552, 0.4362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6698, 0.3729, 0.5421 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(150, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.6698, 0.3729, 0.5421 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(150, 204, 0) }
```

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

```
.border{ border-color:rgb(150, 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(150, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6698, 0.3729, 0.5421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 204, 0) }
```

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

```
.background{ background-color: rgb(150,  
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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