

Converting Colors

$Yxy(49.7062, 0.3332, 0.5736)$

Have a look what the booklet for
Yxy(49.7062, 0.3332, 0.5736)
contains.

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Color

Yxy(49.8537, 0.3328, 0.5739)

Conversions

Conversions Part 1

Format	Color
Hex	65D400
RGB	101, 212, 0
RGB Percent	40%, 83%, 0%
CMY	0.6040, 0.1686, 0.9991
CMYK	0.52, 0.00, 1.00, 0.17
HSL	91°, 100%, 42%
HSV	91°, 100%, 83%
XYZ	28.9098, 49.8537, 8.1048
YIQ	154.6430, 1.8960, -89.4640

Conversions

Conversions Part 2

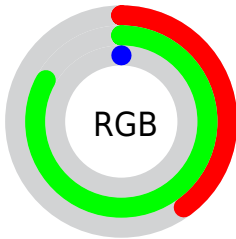
Format	Color
RYB	0, 212, 111
Decimal	6673408
CIELab	75.98, -60.21, 74.45
CIELCh	76, 95.750, 128.960
Yxy	49.8537, 0.3328, 0.5739
Android (android.graphics.Color)	4284863488 (0xFF65D400)
YUV	154.6430, -76.2390, -47.0449
Hunter-Lab	70.6072, -50.4765, 42.6193

Details

The Yxy color **49.8537, 0.3328, 0.5739** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **8.1545, 0.2064, 0.0911**, and the grayscale version is **32.9656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8415, 0.3412, 0.5213**, and **23.9836, 0.3053, 0.5958** is the 20% darker color. If you saturate the color by 10%, you get **49.8485, 0.3327, 0.5740**, and if you desaturate by 10%, it is **50.5965, 0.3380, 0.5630**.

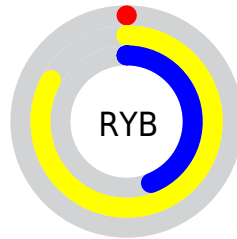
Distribution



Red (40%)

Green (83%)

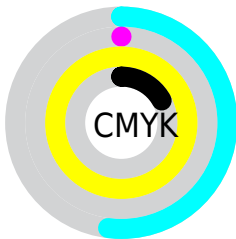
Blue (0%)



Red (0%)

Yellow (83%)

Blue (44%)

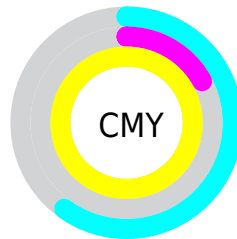


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (60%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8537, 0.3328, 0.5739 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 49.8537, 0.3328, 0.5739 by changing the saturation by 10% instead.


 49.8537, 0.3328,
0.5739

 49.8537, 0.3328,
0.5739


386.0935, 0.3353,
0.4482


 35.2972, 0.3273,
0.6031


 89.9581, 0.3372,
0.5292


 23.8919, 0.3175,
0.6380


 116.2747, 0.3378,
0.5119


 15.2534, 0.3018,
0.6831


 147.2802, 0.3379,
0.4972

 8.9974, 0.2710,
0.7290

 183.3588, 0.3376,
0.4846

 4.7395, 0.2202,
0.7798

 224.8951, 0.3371,
0.4737

 2.0953, 0.0918,
0.9082

 272.2734, 0.3366,

 0.6620, 0.0000,

0.4641

1.0000

325.8781, 0.3359,
0.4557

■ 0.0000, 0.0000,
0.0000

■ 49.8537, 0.3328,
0.5739

■ 49.8537, 0.3328,
0.5739

■ 49.8485, 0.3327,
0.5740

■ 50.5965, 0.3380,
0.5630

■ 51.4879, 0.3417,
0.5469

■ 52.5530, 0.3433,
0.5252

■ 53.8057, 0.3427,
0.4992

■ 55.2583, 0.3402,
0.4703

■ 56.9216, 0.3362,
0.4401

■ 58.8056, 0.3311,
0.4100

■ 60.9194, 0.3252,
0.3810

■ 63.2716, 0.3190,
0.3538

Harmonies

Analogous

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



49.8537, 0.4415, 0.5212



49.8537, 0.3328, 0.5739



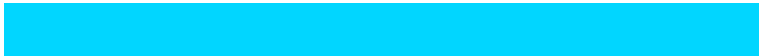
49.8537, 0.2248, 0.5089

Triad

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



49.8537, 0.3328, 0.5739



49.8537, 0.1230, 0.1699



49.8537, 0.4995, 0.2766

Complementary

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



49.8537, 0.3328, 0.5739



8.1545, 0.2064, 0.0911

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.



49.8537, 0.3713, 0.2123



49.8537, 0.3328, 0.5739



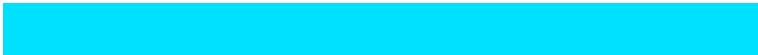
49.8537, 0.1636, 0.1540

Square

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



49.8537, 0.3328, 0.5739



49.8537, 0.1166, 0.2289



49.8537, 0.2459, 0.1693



49.8537, 0.5583, 0.3505

Rectangle

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



49.8537, 0.3328, 0.5739



49.8537, 0.1681, 0.4051



49.8537, 0.2459, 0.1693



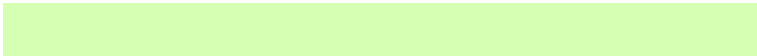
49.8537, 0.4612, 0.2536

Sweetspot

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



49.8558, 0.3328, 0.5739



89.1857, 0.3313, 0.4113



25.0740, 0.5369, 0.4118



18.8208, 0.3336, 0.4241



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.



49.8558, 0.3328, 0.5739



75.6080, 0.3320, 0.5746



47.0994, 0.2998, 0.5990



14.1828, 0.3187, 0.3526



30.8310, 0.3338, 0.5732



1.9087, 0.3472, 0.5625

Inverse Universe

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



8.1545, 0.2064, 0.0911



12.2622, 0.2052, 0.0904



18.5803, 0.3251, 0.1565



12.3258, 0.3063, 0.3055



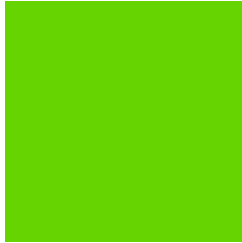
5.0866, 0.2077, 0.0918



0.3559, 0.2261, 0.1019

Previews

White Background



This preview shows how the Yxy color 49.8537, 0.3328, 0.5739 looks on a white background.

Color Contrast Check

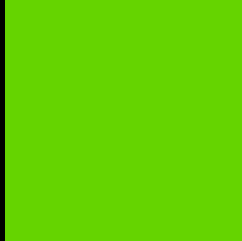
Large Text (above 18pt) WCAG AA × Fail

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 49.8537, 0.3328, 0.5739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

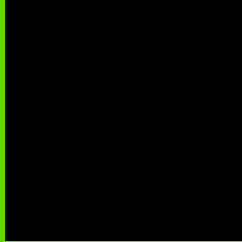
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

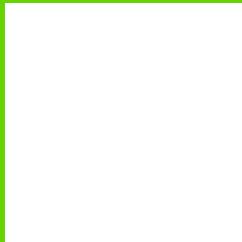
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8537, 0.3328, 0.5739

Background



This preview shows how black text looks on a background with the Yxy color 49.8537, 0.3328, 0.5739.



This preview shows how white text looks on a background with the Yxy color 49.8537, 0.3328, 0.5739.

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

49.8537, 0.3328, 0.5739

Protanopia

48.8194, 0.4411, 0.4879

Deuteranopia

48.7249, 0.4630, 0.4520



Tritanopia

49.5619, 0.2564, 0.3074

Trichromacy



Original Color

49.8537, 0.3328, 0.5739



Protanomaly

47.5763, 0.3968, 0.5231



Deuteranomaly

46.9181, 0.4126, 0.5008



Tritanomaly

48.0117, 0.2971, 0.4282

Monochromacy



Original Color

49.8537, 0.3328, 0.5739



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

37.1024, 0.3371, 0.4504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8537, 0.3328, 0.5739 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(101, 212, 0)` looks like.

```
.text, #text, p{  
    color:rgb(101, 212, 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(101, 212, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 212, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.8537, 0.3328, 0.5739 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(101, 212, 0) }
```

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

```
.border{ border-color:rgb(101, 212, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 212, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 212, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 212, 0);  
box-shadow:4px 4px 4px 4px rgb(101, 212,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8537, 0.3328, 0.5739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 212, 0) }
```

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

```
.background{ background-color: rgb(101,  
212, 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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