

Converting Colors

$Y_{xy}(49.3353, 0.3337, 0.5732)$

Have a look what the booklet for
Yxy(49.3353, 0.3337, 0.5732)
contains.

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Color

Yxy(49.4133, 0.3338, 0.5732)

Conversions

Conversions Part 1

Format	Color
Hex	66D300
RGB	102, 211, 0
RGB Percent	40%, 83%, 0%
CMY	0.5999, 0.1725, 1.0000
CMYK	0.52, 0.00, 1.00, 0.17
HSL	91°, 100%, 41%
HSV	91°, 100%, 83%
XYZ	28.7756, 49.4133, 8.0172
YIQ	154.3550, 2.7670, -88.7290

Conversions

Conversions Part 2

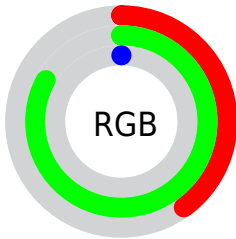
Format	Color
RYB	0, 211, 109
Decimal	6738688
CIELab	75.71, -59.56, 74.29
CIELCh	76, 95.215, 128.718
Yxy	49.4133, 0.3338, 0.5732
Android (android.graphics.Color)	4284928768 (0xFF66D300)
YUV	154.3550, -76.0970, -45.9153
Hunter-Lab	70.2946, -49.9453, 42.4441

Details

The Yxy color **49.4133, 0.3338, 0.5732** 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 **7.9527, 0.2047, 0.0901**, and the grayscale version is **32.8241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9466, 0.3419, 0.5209**, and **23.6896, 0.3064, 0.5949** is the 20% darker color. If you saturate the color by 10%, you get **49.4157, 0.3338, 0.5732**, and if you desaturate by 10%, it is **50.1495, 0.3390, 0.5623**.

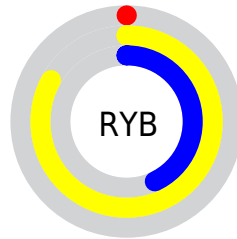
Distribution



Red (40%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (43%)

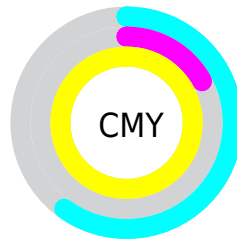


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (60%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4133, 0.3338, 0.5732 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 49.4133, 0.3338, 0.5732 by changing the saturation by 10% instead.


 49.4133, 0.3338,
0.5732


 49.4133, 0.3338,
0.5732


384.3671, 0.3357,
0.4478

 34.9474, 0.3284,
0.6023


 89.3050, 0.3381,
0.5285


 23.6224, 0.3187,
0.6372


 115.4996, 0.3386,
0.5113


 15.0538, 0.3032,
0.6825


 146.3726, 0.3386,
0.4967

 8.8571, 0.2722,
0.7278

 182.3084, 0.3382,
0.4841

 4.6481, 0.2213,
0.7787

 223.6913, 0.3377,
0.4732

 2.0423, 0.0888,
0.9112

 270.9058, 0.3371,

 0.6319, 0.0000,

0.4636

1.0000

324.3363, 0.3364,
0.4552

■ 0.0000, 0.0000,
0.0000

■ 49.4133, 0.3338,
0.5732

■ 49.4133, 0.3338,
0.5732

■ 49.4157, 0.3338,
0.5732

■ 50.1495, 0.3390,
0.5623

■ 51.0297, 0.3426,
0.5463

■ 52.0792, 0.3441,
0.5249

■ 53.3116, 0.3435,
0.4990

■ 54.7389, 0.3409,
0.4703

■ 56.3716, 0.3368,
0.4402

■ 58.2195, 0.3315,
0.4102

■ 60.2916, 0.3255,
0.3813

■ 62.5963, 0.3192,
0.3541

Harmonies

Analogous

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



49.4133, 0.4422, 0.5202



49.4133, 0.3338, 0.5732



49.4133, 0.2259, 0.5094

Triad

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



49.4133, 0.3338, 0.5732



49.4133, 0.1232, 0.1705



49.4133, 0.4982, 0.2762

Complementary

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



49.4133, 0.3338, 0.5732



7.9527, 0.2047, 0.0901

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.



49.4133, 0.3701, 0.2121



49.4133, 0.3338, 0.5732



49.4133, 0.1634, 0.1544

Square

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



49.4133, 0.3338, 0.5732



49.4133, 0.1170, 0.2299



49.4133, 0.2452, 0.1693



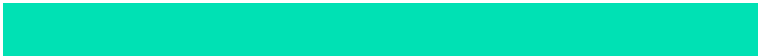
49.4133, 0.5577, 0.3500

Rectangle

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



49.4133, 0.3338, 0.5732



49.4133, 0.1690, 0.4063



49.4133, 0.2452, 0.1693



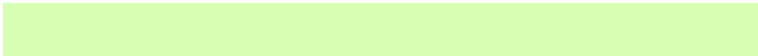
49.4133, 0.4598, 0.2532

Sweetspot

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



49.4157, 0.3338, 0.5732



89.2760, 0.3317, 0.4112



24.0545, 0.5420, 0.4078



18.8421, 0.3340, 0.4239



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.



49.4157, 0.3338, 0.5732



75.7534, 0.3330, 0.5738



46.5892, 0.3000, 0.6000



13.4827, 0.3188, 0.3525



29.8824, 0.3349, 0.5723



1.7180, 0.3491, 0.5610

Inverse Universe

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



7.9527, 0.2047, 0.0901



12.1011, 0.2037, 0.0896



18.5523, 0.3209, 0.1542



11.7136, 0.3062, 0.3055



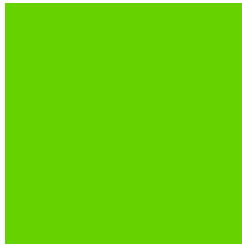
4.8607, 0.2062, 0.0910



0.3189, 0.2260, 0.1019

Previews

White Background



This preview shows how the Yxy color 49.4133, 0.3338, 0.5732 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 49.4133, 0.3338, 0.5732 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 49.4133, 0.3338, 0.5732

Background



This preview shows how black text looks on a background with the Yxy color 49.4133, 0.3338, 0.5732.



This preview shows how white text looks on a background with the Yxy color 49.4133, 0.3338, 0.5732.

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

49.4133, 0.3338, 0.5732

Protanopia

48.6731, 0.4403, 0.4886

Deuteranopia

48.5487, 0.4625, 0.4531



Tritanopia

49.0586, 0.2567, 0.3073

Trichromacy



Original Color

49.4133, 0.3338, 0.5732



Protanomaly

47.5763, 0.3968, 0.5231



Deuteranomaly

46.7886, 0.4119, 0.5018



Tritanomaly

47.5156, 0.2977, 0.4286

Monochromacy



Original Color

49.4133, 0.3338, 0.5732



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.6927, 0.3381, 0.4507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4133, 0.3338, 0.5732 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(102, 211, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 211, 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(102, 211, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 211, 0) }
```

Border

The CSS property to change the border of an element to Yxy 49.4133, 0.3338, 0.5732 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(102, 211, 0) }
```

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

```
.border{ border-color:rgb(102, 211, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 211, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 211, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 211, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 211,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4133, 0.3338, 0.5732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 211, 0) }
```

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

```
.background{ background-color: rgb(102,  
211, 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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