

Converting Colors

Yxy(48.4330, 0.3339, 0.5731)

Have a look what the booklet for
Yxy(48.4330, 0.3339, 0.5731)
contains.

Yxy(48.3676, 0.3338, 0.5732)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.3676, 0.3338, 0.5732)

Conversions

Conversions Part 1

Format	Color
Hex	65D100
RGB	101, 209, 0
RGB Percent	40%, 82%, 0%
CMY	0.6039, 0.1804, 1.0000
CMYK	0.52, 0.00, 1.00, 0.18
HSL	91°, 100%, 41%
HSV	91°, 100%, 82%
XYZ	28.1666, 48.3676, 7.8475
YIQ	152.8820, 2.7210, -87.8950

Conversions

Conversions Part 2

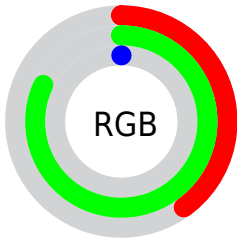
Format	Color
RYB	0, 209, 108
Decimal	6672640
CIELab	75.06, -59.13, 73.76
CIELCh	75, 94.538, 128.718
Yxy	48.3676, 0.3338, 0.5732
Android (android.graphics.Color)	4284862720 (0xFF65D100)
YUV	152.8820, -75.3708, -45.5005
Hunter-Lab	69.5468, -49.4140, 41.9926

Details

The Yxy color **48.3676, 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 **7.7922, 0.2048, 0.0902**, and the grayscale version is **32.1357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8259, 0.3416, 0.5221**, and **23.0155, 0.3062, 0.5951** is the 20% darker color. If you saturate the color by 10%, you get **48.3699, 0.3338, 0.5732**, and if you desaturate by 10%, it is **49.0887, 0.3390, 0.5623**.

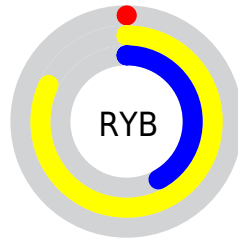
Distribution



Red (40%)

Green (82%)

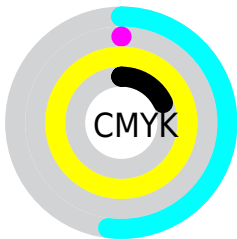
Blue (0%)



Red (0%)

Yellow (82%)

Blue (42%)

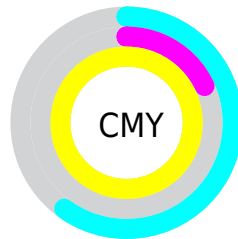


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (18%)



Cyan (60%)


Magenta (18%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3676, 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 48.3676, 0.3338, 0.5732 by changing the saturation by 10% instead.


 48.3676, 0.3338,
0.5732

 48.3676, 0.3338,
0.5732


380.2474, 0.3357,
0.4474


 34.1181, 0.3284,
0.6026


 87.7515, 0.3381,
0.5283


 22.9843, 0.3185,
0.6378


 113.6546, 0.3386,
0.5110


 14.5819, 0.3030,
0.6841


 144.2111, 0.3386,
0.4963

 8.5265, 0.2710,
0.7290

 179.8053, 0.3382,
0.4837

 4.4337, 0.2191,
0.7809

 220.8217, 0.3377,
0.4727

 1.9190, 0.0683,
0.9317

 267.6445, 0.3371,

 0.5598, 0.0000,

0.4632

1.0000

320.6583, 0.3364,
0.4548

■ 0.0000, 0.0000,
0.0000

■ 48.3676, 0.3338,
0.5732

■ 48.3676, 0.3338,
0.5732

■ 48.3699, 0.3338,
0.5732

■ 49.0887, 0.3390,
0.5623

■ 49.9505, 0.3426,
0.5463

■ 50.9780, 0.3441,
0.5248

■ 52.1846, 0.3435,
0.4989

■ 53.5817, 0.3409,
0.4702

■ 55.1799, 0.3367,
0.4402

■ 56.9886, 0.3315,
0.4102

■ 59.0166, 0.3255,
0.3812

■ 61.2722, 0.3192,
0.3541

Harmonies

Analogous

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



48.3676, 0.4422, 0.5202



48.3676, 0.3338, 0.5732



48.3676, 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.



48.3676, 0.3338, 0.5732



48.3676, 0.1232, 0.1705



48.3676, 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.



48.3676, 0.3338, 0.5732



7.7922, 0.2048, 0.0902

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.



48.3676, 0.3701, 0.2121



48.3676, 0.3338, 0.5732



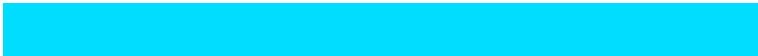
48.3676, 0.1634, 0.1544

Square

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



48.3676, 0.3338, 0.5732



48.3676, 0.1170, 0.2299



48.3676, 0.2452, 0.1693



48.3676, 0.5577, 0.3500

Rectangle

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



48.3676, 0.3338, 0.5732



48.3676, 0.1690, 0.4063



48.3676, 0.2452, 0.1693



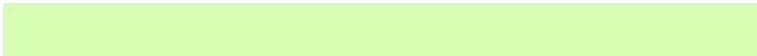
48.3676, 0.4598, 0.2532

Sweetspot

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



48.3699, 0.3338, 0.5732



89.2724, 0.3317, 0.4112



24.2781, 0.5370, 0.4118



18.8413, 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.



48.3699, 0.3338, 0.5732



75.7476, 0.3330, 0.5738



45.6109, 0.2997, 0.5991



13.4825, 0.3188, 0.3525



29.8801, 0.3348, 0.5724



1.7178, 0.3491, 0.5610

Inverse Universe

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



7.7922, 0.2048, 0.0902



12.1074, 0.2037, 0.0896



17.9890, 0.3251, 0.1565



11.7138, 0.3062, 0.3055



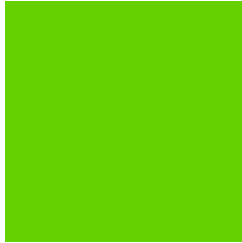
4.8632, 0.2063, 0.0910



0.3191, 0.2261, 0.1019

Previews

White Background



This preview shows how the Yxy color 48.3676, 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 48.3676, 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 48.3676, 0.3338, 0.5732

Background



This preview shows how black text looks on a background with the Yxy color 48.3676, 0.3338, 0.5732.



This preview shows how white text looks on a background with the Yxy color 48.3676, 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

48.3676, 0.3338, 0.5732

Protanopia

47.5464, 0.4405, 0.4885

Deuteranopia

47.4354, 0.4628, 0.4524



Tritanopia

47.9825, 0.2569, 0.3071

Trichromacy



Original Color

48.3676, 0.3338, 0.5732

Protanomaly

46.4648, 0.3966, 0.5233

Deuteranomaly

45.8101, 0.4127, 0.5010

Tritanomaly

46.4900, 0.2976, 0.4279

Monochromacy



Original Color

48.3676, 0.3338, 0.5732

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

35.8185, 0.3385, 0.4502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3676, 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(101, 209, 0)` looks like.

```
.text, #text, p{  
    color:rgb(101, 209, 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, 209, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 209, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.3676, 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(101, 209, 0) }
```

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

```
.border{ border-color:rgb(101, 209, 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, 209, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 209, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 209, 0);  
box-shadow:4px 4px 4px 4px rgb(101, 209,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3676, 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(101, 209, 0) }
```

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

```
.background{ background-color: rgb(101,  
209, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor