

Converting Colors

Yxy(60.4139, 0.3319, 0.5747)

Have a look what the booklet for
Yxy(60.4139, 0.3319, 0.5747)
contains.

Yxy(60.4030, 0.3319, 0.5747)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(60.4030, 0.3319, 0.5747)

Conversions

Conversions Part 1

Format	Color
Hex	6DE700
RGB	109, 231, 0
RGB Percent	43%, 91%, 0%
CMY	0.5725, 0.0941, 1.0000
CMYK	0.53, 0.00, 1.00, 0.09
HSL	92°, 100%, 45%
HSV	92°, 100%, 91%
XYZ	34.8839, 60.4030, 9.8167
YIQ	168.1880, 1.4390, -97.7050

Conversions

Conversions Part 2

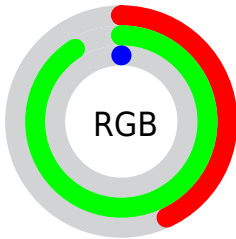
Format	Color
RYB	0, 231, 122
Decimal	7202560
CIELab	82.06, -64.67, 79.38
CIElCh	82, 102.393, 129.170
Yxy	60.4030, 0.3319, 0.5747
Android (android.graphics.Color)	4285392640 (0xFF6DE700)
YUV	168.1880, -82.9167, -51.9079
Hunter-Lab	77.7194, -55.8903, 46.9147

Details

The Yxy color **60.4030, 0.3319, 0.5747** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **9.9060, 0.2065, 0.0911**, and the grayscale version is **39.6743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8825, 0.3456, 0.5146**, and **30.5954, 0.3065, 0.5949** is the 20% darker color. If you saturate the color by 10%, you get **60.4058, 0.3319, 0.5747**, and if you desaturate by 10%, it is **61.2963, 0.3373, 0.5641**.

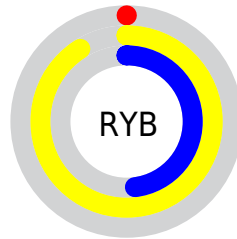
Distribution



Red (43%)

Green (91%)

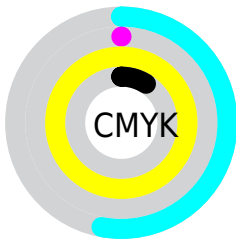
Blue (0%)



Red (0%)

Yellow (91%)

Blue (48%)

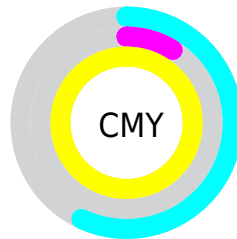


Cyan (53%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (57%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4030, 0.3319, 0.5747 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 60.4030, 0.3319, 0.5747 by changing the saturation by 10% instead.


 60.4030, 0.3319,
0.5747


 60.4030, 0.3319,
0.5747


426.0816, 0.3352,
0.4526

 43.7435, 0.3267,
0.6021


 105.4140, 0.3364,
0.5321


 30.4689, 0.3179,
0.6345


 134.5344, 0.3371,
0.5155


 20.1948, 0.3030,
0.6729


 168.5772, 0.3373,
0.5012

 12.5367, 0.2793,
0.7207

 207.9269, 0.3372,
0.4888

 7.1103, 0.2362,
0.7638

 252.9678, 0.3368,
0.4780

 3.5312, 0.1737,
0.8263

 304.0842, 0.3363,

 1.4149, 0.0000,

0.4685

1.0000

361.6607, 0.3358,
0.4601

■ 0.2277, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4030, 0.3319,
0.5747

■ 60.4030, 0.3319,
0.5747

■ 60.4058, 0.3319,
0.5747

■ 61.2963, 0.3373,
0.5641

■ 62.3727, 0.3411,
0.5482

■ 63.6625, 0.3428,
0.5266

■ 65.1832, 0.3424,
0.5006

■ 66.9500, 0.3401,
0.4715

■ 68.9764, 0.3361,
0.4412

■ 71.2747, 0.3310,
0.4109

■ 73.8565, 0.3252,
0.3816

■ 76.7323, 0.3190,
0.3542

Harmonies

Analogous

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



60.4030, 0.4410, 0.5221



60.4030, 0.3319, 0.5747



60.4030, 0.2238, 0.5087

Triad

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



60.4030, 0.3319, 0.5747



60.4030, 0.1228, 0.1693



60.4030, 0.5008, 0.2769

Complementary

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



60.4030, 0.3319, 0.5747



9.9060, 0.2065, 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.



60.4030, 0.3724, 0.2124



60.4030, 0.3319, 0.5747



60.4030, 0.1636, 0.1537

Square

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



60.4030, 0.3319, 0.5747



60.4030, 0.1161, 0.2280



60.4030, 0.2464, 0.1691



60.4030, 0.5591, 0.3510

Rectangle

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



60.4030, 0.3319, 0.5747



60.4030, 0.1672, 0.4042



60.4030, 0.2464, 0.1691



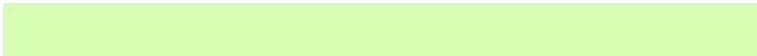
60.4030, 0.4625, 0.2538

Sweetspot

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



60.4058, 0.3319, 0.5747



89.1416, 0.3311, 0.4114



30.2668, 0.5378, 0.4111



18.8104, 0.3334, 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.



60.4058, 0.3319, 0.5747



75.5378, 0.3315, 0.5750



57.1618, 0.2998, 0.5992



16.4209, 0.3187, 0.3528



33.9361, 0.3330, 0.5738



2.5627, 0.3443, 0.5648

Inverse Universe

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



9.9060, 0.2065, 0.0911



12.3423, 0.2060, 0.0909



22.5439, 0.3252, 0.1565



14.2598, 0.3063, 0.3053



5.6278, 0.2081, 0.0920



0.4711, 0.2236, 0.1005

Previews

White Background



This preview shows how the Yxy color 60.4030, 0.3319, 0.5747 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 60.4030, 0.3319, 0.5747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

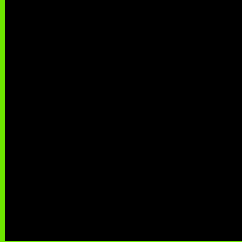
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.4030, 0.3319, 0.5747

Background



This preview shows how black text looks on a background with the Yxy color 60.4030, 0.3319, 0.5747.



This preview shows how white text looks on a background with the Yxy color 60.4030, 0.3319, 0.5747.

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

60.4030, 0.3319, 0.5747

Deuteranopia

59.1727, 0.4634, 0.4523

Tritanopia

60.1779, 0.2558, 0.3078

Trichromacy



Original Color

60.4030, 0.3319, 0.5747



Deuteranomaly

56.7981, 0.4121, 0.5014



Tritanomaly

58.5968, 0.2967, 0.4302

Monochromacy



Original Color

60.4030, 0.3319, 0.5747



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.5262, 0.3379, 0.4516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4030, 0.3319, 0.5747 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(109, 231, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 231, 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(109, 231, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 231, 0) }
```

Border

The CSS property to change the border of an element to Yxy 60.4030, 0.3319, 0.5747 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(109, 231, 0) }
```

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

```
.border{ border-color:rgb(109, 231, 0) }
```

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

Here you see how a box with a 4 pixel rgb(109, 231, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 231, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 231, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 231,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 60.4030, 0.3319, 0.5747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 231, 0) }
```

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

```
.background{ background-color: rgb(109,  
231, 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