

Converting Colors

Yxy(51.4433, 0.3339, 0.5613)

Have a look what the booklet for
Yxy(51.4433, 0.3339, 0.5613)
contains.

Yxy(51.4433, 0.3339, 0.5613)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.4433, 0.3339, 0.5613)

Conversions

Conversions Part 1

Format	Color
Hex	6DD61F
RGB	109, 214, 31
RGB Percent	43%, 84%, 12%
CMY	0.5724, 0.1608, 0.8788
CMYK	0.49, 0.00, 0.86, 0.16
HSL	94°, 75%, 48%
HSV	94°, 86%, 84%
XYZ	30.6020, 51.4433, 9.6049
YIQ	161.7430, -3.8370, -79.1730

Conversions

Conversions Part 2

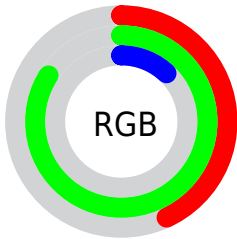
Format	Color
RYB	31, 214, 136
Decimal	7198239
CIELab	76.95, -57.94, 71.22
CIELCh	77, 91.812, 129.128
Yxy	51.4433, 0.3339, 0.5613
Android (android.graphics.Color)	4285388319 (0xFF6DD61F)
YUV	161.7430, -64.4563, -46.2556
Hunter-Lab	71.7240, -49.3575, 42.2669

Details

The Yxy color **51.4433, 0.3339, 0.5613** 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 **11.0528, 0.2314, 0.1124**, and the grayscale version is **36.3123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7995, 0.3414, 0.5087**, and **24.9251, 0.3115, 0.5909** is the 20% darker color. If you saturate the color by 10%, you get **50.6431, 0.3290, 0.5744**, and if you desaturate by 10%, it is **52.4312, 0.3371, 0.5421**.

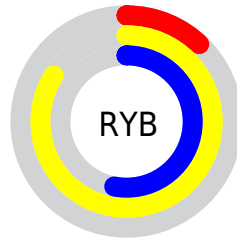
Distribution



Red (43%)

Green (84%)

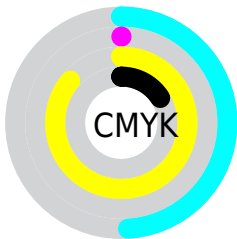
Blue (12%)



Red (12%)

Yellow (84%)

Blue (53%)

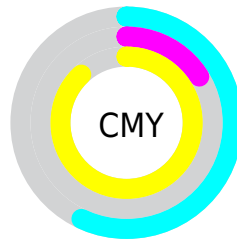


Cyan (49%)

Magenta (0%)

Yellow (86%)

Black (16%)



Cyan (57%)


Magenta (16%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4433, 0.3339, 0.5613 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 51.4433, 0.3339, 0.5613 by changing the saturation by 10% instead.


 51.4433, 0.3339,
0.5613


 51.4433, 0.3339,
0.5613


392.2837, 0.3343,
0.4422

 36.5615, 0.3295,
0.5893


 92.3097, 0.3371,
0.5187


 24.8682, 0.3215,
0.6231


 119.0631, 0.3374,
0.5024


 15.9789, 0.3072,
0.6645

 150.5426, 0.3373,
0.4885

 9.5092, 0.2831,
0.7169

 187.1324, 0.3369,
0.4766

 5.0748, 0.2356,
0.7644

 229.2170, 0.3363,
0.4663

 2.2912, 0.1387,
0.8613

 277.1809, 0.3357,

 0.7690, 0.0000,

0.4572

1.0000

331.4083, 0.3350,
0.4493

■ 0.0000, 0.0000,
0.0000

■ 51.4433, 0.3339,
0.5613

■ 51.4433, 0.3339,
0.5613

■ 50.6431, 0.3290,
0.5744

■ 52.4312, 0.3371,
0.5421

■ 50.3344, 0.3266,
0.5789

■ 53.6171, 0.3382,
0.5176

■ 55.0179, 0.3375,
0.4894

■ 56.6461, 0.3350,
0.4590

■ 58.5135, 0.3312,
0.4280

■ 60.6307, 0.3266,
0.3978

■ 63.0077, 0.3213,
0.3692

■ 65.6537, 0.3158,
0.3427

■ 68.5778, 0.3103,
0.3186

Harmonies

Analogous

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



51.4433, 0.4385, 0.5155



51.4433, 0.3339, 0.5613



51.4433, 0.2295, 0.4975

Triad

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



51.4433, 0.3339, 0.5613



51.4433, 0.1297, 0.1762



51.4433, 0.4908, 0.2801

Complementary

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



51.4433, 0.3339, 0.5613



11.0528, 0.2314, 0.1124

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.



51.4433, 0.3696, 0.2173



51.4433, 0.3339, 0.5613



51.4433, 0.1696, 0.1603

Square

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



51.4433, 0.3339, 0.5613



51.4433, 0.1235, 0.2338



51.4433, 0.2498, 0.1752



51.4433, 0.5475, 0.3526

Rectangle

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



51.4433, 0.3339, 0.5613



51.4433, 0.1744, 0.4006



51.4433, 0.2498, 0.1752



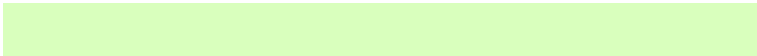
51.4433, 0.4546, 0.2576

Sweetspot

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



51.4455, 0.3339, 0.5613



89.9315, 0.3269, 0.3998



31.6267, 0.4966, 0.4292



19.0060, 0.3286, 0.4103



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.



51.4455, 0.3339, 0.5613



74.7593, 0.3259, 0.5795



48.5589, 0.2983, 0.5784



14.1524, 0.3179, 0.3526



30.4819, 0.3276, 0.5781



1.8868, 0.3413, 0.5672

Inverse Universe

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



11.0528, 0.2314, 0.1124



13.3482, 0.2155, 0.0961



19.5255, 0.3354, 0.1685



12.3566, 0.3070, 0.3055



5.5282, 0.2179, 0.0974



0.3818, 0.2352, 0.1069

Previews

White Background



This preview shows how the Yxy color 51.4433, 0.3339, 0.5613 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 51.4433, 0.3339, 0.5613 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 51.4433, 0.3339, 0.5613

Background



This preview shows how black text looks on a background with the Yxy color 51.4433, 0.3339, 0.5613.



This preview shows how white text looks on a background with the Yxy color 51.4433, 0.3339, 0.5613.

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

51.4433, 0.3339, 0.5613

Protanopia

50.6032, 0.4380, 0.4840

Deuteranopia

50.4927, 0.4595, 0.4491



Tritanopia

51.0715, 0.2591, 0.3077

Trichromacy



Original Color

51.4433, 0.3339, 0.5613



Protanomaly

49.5767, 0.3957, 0.5155



Deuteranomaly

48.8283, 0.4093, 0.4930



Tritanomaly

49.8359, 0.2943, 0.4109

Monochromacy



Original Color

51.4433, 0.3339, 0.5613



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

40.1023, 0.3321, 0.4311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4433, 0.3339, 0.5613 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, 214, 31)` looks like.

```
.text, #text, p{  
    color:rgb(109, 214, 31)  
}
```

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, 214, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 214, 31) }
```

Border

The CSS property to change the border of an element to Yxy 51.4433, 0.3339, 0.5613 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, 214, 31) }
```

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

```
.border{ border-color:rgb(109, 214, 31) }
```

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

Here you see how a box with a 4 pixel rgb(109, 214, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 214, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 214, 31);  
box-shadow:4px 4px 4px 4px rgb(109, 214,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4433, 0.3339, 0.5613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 214, 31) }
```

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

```
.background{ background-color: rgb(109,  
214, 31) }
```

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