

Converting Colors

Yxy(41.9683, 0.3473, 0.5344)

Have a look what the booklet for
Yxy(41.9683, 0.3473, 0.5344)
contains.

Yxy(41.9615, 0.3471, 0.5350)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.9615, 0.3471, 0.5350)

Conversions

Conversions Part 1

Format	Color
Hex	79C02E
RGB	121, 192, 46
RGB Percent	47%, 75%, 18%
CMY	0.5256, 0.2470, 0.8197
CMYK	0.37, 0.00, 0.76, 0.25
HSL	89°, 61%, 47%
HSV	89°, 76%, 75%
XYZ	27.2240, 41.9615, 9.2472
YIQ	154.1270, 4.5500, -60.4580

Conversions

Conversions Part 2

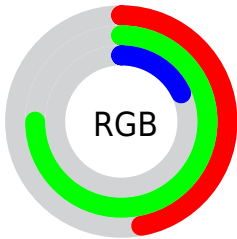
Format	Color
RYB	46, 192, 117
Decimal	7979054
CIELab	70.84, -44.74, 61.82
CIELCh	71, 76.310, 125.893
Yxy	41.9615, 0.3471, 0.5350
Android (android.graphics.Color)	4286169134 (0xFF79C02E)
YUV	154.1270, -53.3066, -29.0524
Hunter-Lab	64.7777, -38.3431, 36.8806

Details

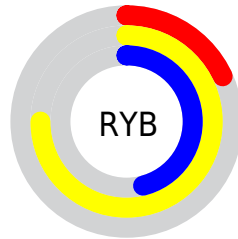
The Yxy color **41.9615, 0.3471, 0.5350** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **9.5432, 0.2282, 0.1221**, and the grayscale version is **32.6077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1956, 0.3463, 0.4952**, and **19.2669, 0.3334, 0.5735** is the 20% darker color. If you saturate the color by 10%, you get **41.2020, 0.3447, 0.5530**, and if you desaturate by 10%, it is **42.8577, 0.3473, 0.5121**.

Distribution



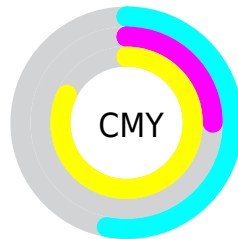
- Red (47%)
- Green (75%)
- Blue (18%)



- Red (18%)
- Yellow (75%)
- Blue (46%)



- Cyan (37%)
- Magenta (0%)
- Yellow (76%)
- Black (25%)





- Cyan (53%)
- Magenta (25%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9615, 0.3471, 0.5350 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 41.9615, 0.3471, 0.5350 by changing the saturation by 10% instead.


 41.9615, 0.3471,
0.5350


 41.9615, 0.3471,
0.5350


354.3233, 0.3381,
0.4265


 29.0711, 0.3455,
0.5617


 78.1414, 0.3465,
0.4953


 19.1346, 0.3407,
0.5947

 102.1996, 0.3454,
0.4804

 11.7676, 0.3306,
0.6369


 130.7494, 0.3442,
0.4678

 6.5856, 0.3095,
0.6905

 164.1749, 0.3429,
0.4571

 3.2043, 0.2605,
0.7395

 202.8607, 0.3416,
0.4478

 1.2393, 0.0380,
0.9620

 247.1911, 0.3404,

 0.0935, 0.0000,

0.4398

1.0000

297.5505, 0.3392,
0.4328

■ 0.0000, 0.0000,
0.0000

■ 41.9615, 0.3471,
0.5350

■ 41.9615, 0.3471,
0.5350

■ 41.2020, 0.3447,
0.5530

■ 42.8577, 0.3473,
0.5121

■ 40.5616, 0.3402,
0.5655

■ 43.8949, 0.3453,
0.4855

■ 40.3335, 0.3383,
0.5696

■ 45.0836, 0.3416,
0.4567

■ 46.4314, 0.3365,
0.4271

■ 47.9456, 0.3304,
0.3979

■ 49.6328, 0.3238,
0.3699

■ 51.4991, 0.3169,
0.3438

■ 53.5505, 0.3100,
0.3198

■ 55.7926, 0.3033,
0.2980

Harmonies

Analogous

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



41.9615, 0.4410, 0.4944



41.9615, 0.3471, 0.5350



41.9615, 0.2496, 0.4871

Triad

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



41.9615, 0.3471, 0.5350



41.9615, 0.1420, 0.1939



41.9615, 0.4619, 0.2793

Complementary

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



41.9615, 0.3471, 0.5350



9.5432, 0.2282, 0.1221

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.



41.9615, 0.3520, 0.2219



41.9615, 0.3471, 0.5350



41.9615, 0.1763, 0.1743

Square

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



41.9615, 0.3471, 0.5350



41.9615, 0.1404, 0.2539



41.9615, 0.2468, 0.1850



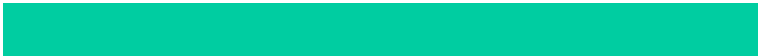
41.9615, 0.5222, 0.3474

Rectangle

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



41.9615, 0.3471, 0.5350



41.9615, 0.1958, 0.4074



41.9615, 0.2468, 0.1850



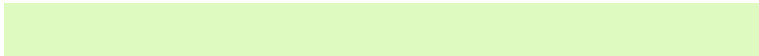
41.9615, 0.4281, 0.2585

Sweetspot

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



41.9633, 0.3471, 0.5350



87.6531, 0.3287, 0.3902



24.0262, 0.4897, 0.4122



18.5758, 0.3310, 0.4007



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.9633, 0.3471, 0.5350



73.8802, 0.3420, 0.5616



38.5396, 0.3024, 0.5663



11.5074, 0.3192, 0.3523



27.1834, 0.3392, 0.5689



1.2154, 0.3562, 0.5554

Inverse Universe

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



9.5432, 0.2282, 0.1221



12.4860, 0.2078, 0.0953



16.6518, 0.3172, 0.1670



9.9831, 0.3058, 0.3057



4.1874, 0.2008, 0.0880



0.2219, 0.2258, 0.1018

Previews

White Background



This preview shows how the Yxy color 41.9615, 0.3471, 0.5350 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 41.9615, 0.3471, 0.5350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

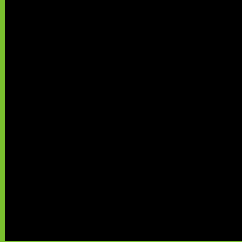
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9615, 0.3471, 0.5350

Background



This preview shows how black text looks on a background with the Yxy color 41.9615, 0.3471, 0.5350.



This preview shows how white text looks on a background with the Yxy color 41.9615, 0.3471, 0.5350.

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

41.9615, 0.3471, 0.5350

Protanopia

41.5166, 0.4309, 0.4759

Deuteranopia

41.4553, 0.4526, 0.4430



Tritanopia

41.7532, 0.2720, 0.3091

Trichromacy



Original Color

41.9615, 0.3471, 0.5350

Protanomaly

41.0324, 0.3977, 0.4991

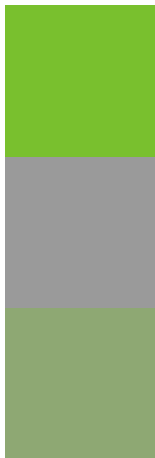
Deuteranomaly

40.3622, 0.4117, 0.4767

Tritanomaly

41.2428, 0.3047, 0.3964

Monochromacy



Original Color

41.9615, 0.3471, 0.5350

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.9939, 0.3334, 0.4130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9615, 0.3471, 0.5350 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(121, 192, 46)` looks like.

```
.text, #text, p{  
    color:rgb(121, 192, 46)  
}
```

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(121, 192, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 192, 46) }
```

Border

The CSS property to change the border of an element to Yxy 41.9615, 0.3471, 0.5350 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(121, 192, 46) }
```

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

```
.border{ border-color:rgb(121, 192, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 192, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 192, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 192, 46);  
box-shadow:4px 4px 4px 4px rgb(121, 192,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9615, 0.3471, 0.5350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 192, 46) }
```

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

```
.background{ background-color: rgb(121,  
192, 46) }
```

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