

Converting Colors

$Y_{xy}(41.3372, 0.3085, 0.5897)$

Have a look what the booklet for
Yxy(41.3372, 0.3085, 0.5897)
contains.

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Color

Yxy(41.4971, 0.3084, 0.5899)

Conversions

Conversions Part 1

Format	Color
Hex	30C70A
RGB	48, 199, 10
RGB Percent	19%, 78%, 4%
CMY	0.8120, 0.2196, 0.9606
CMYK	0.76, 0.00, 0.95, 0.22
HSL	108°, 90%, 41%
HSV	108°, 95%, 78%
XYZ	21.6947, 41.4971, 7.1542
YIQ	132.3050, -29.3270, -90.7910

Conversions

Conversions Part 2

Format	Color
RYB	10, 199, 161
Decimal	3196682
CIELab	70.52, -67.37, 68.47
CIELCh	71, 96.062, 134.537
Yxy	41.4971, 0.3084, 0.5899
Android (android.graphics.Color)	4281386762 (0xFF30C70A)
YUV	132.3050, -60.2964, -73.9355
Hunter-Lab	64.4182, -52.6169, 38.5081

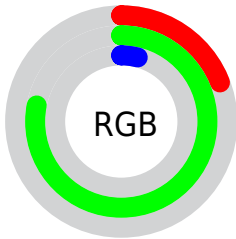
Details

The Yxy color **41.4971, 0.3084, 0.5899** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **11.9322, 0.2730, 0.1296**, and the grayscale version is **23.4160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1376, 0.3180, 0.5373**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.2992, 0.3067, 0.5947**, and if you desaturate by 10%, it is **42.0283, 0.3121, 0.5763**.

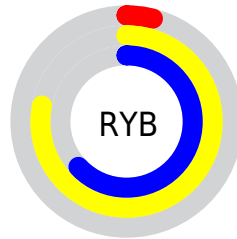
Distribution



Red (19%)

Green (78%)

Blue (4%)



Red (4%)

Yellow (78%)

Blue (63%)

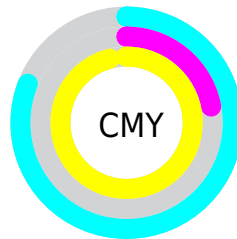


Cyan (76%)

Magenta (0%)

Yellow (95%)

Black (22%)



Cyan (81%)

Magenta (22%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4971, 0.3084, 0.5899 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 41.4971, 0.3084, 0.5899 by changing the saturation by 10% instead.


 41.4971, 0.3084,
0.5899

 41.4971, 0.3084,
0.5899


352.3940, 0.3232,
0.4491

 28.7077, 0.2993,
0.6250


 77.4379, 0.3176,
0.5379


 18.8598, 0.2843,
0.6681


 101.3582, 0.3199,
0.5184

 11.5690, 0.2630,
0.7308


 129.7575, 0.3213,
0.5021

 6.4509, 0.2177,
0.7823

 163.0203, 0.3222,
0.4882

 3.1212, 0.1416,
0.8584

 201.5309, 0.3228,
0.4763

 1.1953, 0.0000,
1.0000

 245.6738, 0.3231,

 0.0579, 0.0000,

0.4660

1.0000

295.8334, 0.3232,
0.4570

■ 0.0000, 0.0000,
0.0000

■ 41.4971, 0.3084,
0.5899

■ 41.4971, 0.3084,
0.5899

■ 41.2992, 0.3067,
0.5947

■ 42.0283, 0.3121,
0.5763

■ 42.7738, 0.3152,
0.5552

■ 43.7577, 0.3175,
0.5280

■ 44.9992, 0.3187,
0.4965

■ 46.5155, 0.3189,
0.4630

■ 48.3222, 0.3183,
0.4295

■ 50.4337, 0.3172,
0.3975

■ 52.8635, 0.3156,
0.3679

■ 55.6241, 0.3137,
0.3412

Harmonies

Analogous

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



41.4971, 0.4236, 0.5447



41.4971, 0.3084, 0.5899



41.4971, 0.1996, 0.4944

Triad

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



41.4971, 0.3084, 0.5899



41.4971, 0.1199, 0.1562



41.4971, 0.5303, 0.2861

Complementary

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



41.4971, 0.3084, 0.5899



11.9322, 0.2730, 0.1296

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.



41.4971, 0.4019, 0.2174



41.4971, 0.3084, 0.5899



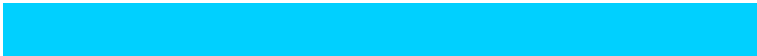
41.4971, 0.1686, 0.1470

Square

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



41.4971, 0.3084, 0.5899



41.4971, 0.1067, 0.2063



41.4971, 0.2631, 0.1682



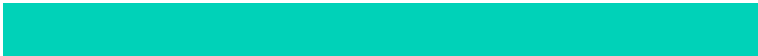
41.4971, 0.5719, 0.3629

Rectangle

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



41.4971, 0.3084, 0.5899



41.4971, 0.1470, 0.3768



41.4971, 0.2631, 0.1682



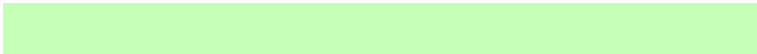
41.4971, 0.4942, 0.2620

Sweetspot

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



41.4988, 0.3084, 0.5899



86.9579, 0.3176, 0.4084



36.6413, 0.4598, 0.4700



18.2695, 0.3181, 0.4224



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.



41.4988, 0.3084, 0.5899



72.2269, 0.3060, 0.5952



41.2805, 0.2886, 0.5551



11.9885, 0.3145, 0.3527



26.5841, 0.3073, 0.5942



1.2899, 0.3215, 0.5829

Inverse Universe

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



11.9322, 0.2730, 0.1296



20.0405, 0.2696, 0.1259



14.4200, 0.4031, 0.2018



10.7051, 0.3106, 0.3060



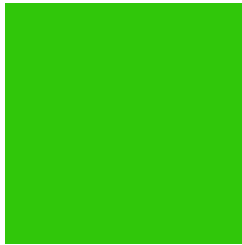
7.4357, 0.2711, 0.1267



0.3802, 0.2821, 0.1327

Previews

White Background



This preview shows how the Yxy color 41.4971, 0.3084, 0.5899 looks on a white background.

Color Contrast Check

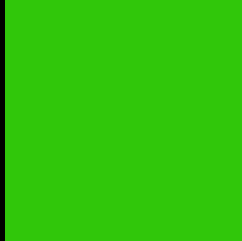
Large Text (above 18pt) WCAG AA × Fail

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 41.4971, 0.3084, 0.5899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

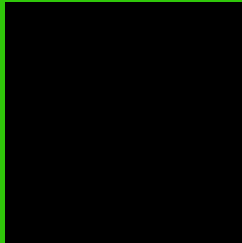
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4971, 0.3084, 0.5899

Background



This preview shows how black text looks on a background with the Yxy color 41.4971, 0.3084, 0.5899.



This preview shows how white text looks on a background with the Yxy color 41.4971, 0.3084, 0.5899.

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

41.4971, 0.3084, 0.5899

Protanopia

40.4633, 0.4409, 0.4881

Deuteranopia

40.4696, 0.4606, 0.4503



Tritanopia

41.2477, 0.2408, 0.3066

Trichromacy



Original Color

41.4971, 0.3084, 0.5899



Protanomaly

38.6320, 0.3794, 0.5356



Deuteranomaly

37.6343, 0.3926, 0.5109



Tritanomaly

40.0434, 0.2736, 0.4284

Monochromacy



Original Color

41.4971, 0.3084, 0.5899



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.2482, 0.3182, 0.4560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4971, 0.3084, 0.5899 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(48, 199, 10)` looks like.

```
.text, #text, p{  
    color:rgb(48, 199, 10)  
}
```

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(48, 199, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 199, 10) }
```

Border

The CSS property to change the border of an element to Yxy 41.4971, 0.3084, 0.5899 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(48, 199, 10) }
```

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

```
.border{ border-color:rgb(48, 199, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 199, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 199, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 199, 10);  
box-shadow:4px 4px 4px 4px rgb(48, 199,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4971, 0.3084, 0.5899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 199, 10) }
```

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

```
.background{ background-color: rgb(48, 199,  
10) }
```

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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