

Converting Colors

$Y_{xy}(41.9015, 0.3005, 0.5747)$

Have a look what the booklet for
Yxy(41.9015, 0.3005, 0.5747)
contains.

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Color

Yxy(41.9071, 0.3004, 0.5745)

Conversions

Conversions Part 1

Format	Color
Hex	27C82A
RGB	39, 200, 42
RGB Percent	15%, 78%, 16%
CMY	0.8465, 0.2157, 0.8352
CMYK	0.80, 0.00, 0.79, 0.22
HSL	121°, 67%, 47%
HSV	121°, 80%, 78%
XYZ	21.9128, 41.9071, 9.1255
YIQ	133.8490, -45.2380, -83.2700

Conversions

Conversions Part 2

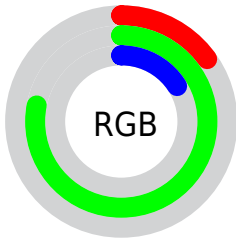
Format	Color
RYB	39, 197, 200
Decimal	2607146
CIELab	70.81, -67.58, 62.14
CIElCh	71, 91.807, 137.399
Yxy	41.9071, 0.3004, 0.5745
Android (android.graphics.Color)	4280797226 (0xFF27C82A)
YUV	133.8490, -45.2816, -83.1826
Hunter-Lab	64.7357, -52.8659, 36.9572

Details

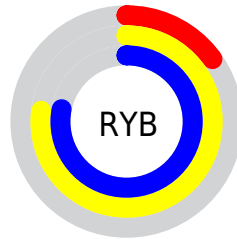
The Yxy color **41.9071, 0.3004, 0.5745** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **17.7752, 0.3240, 0.1663**, and the grayscale version is **23.9793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0849, 0.3100, 0.5226**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.5068, 0.2999, 0.5908**, and if you desaturate by 10%, it is **42.5855, 0.3013, 0.5501**.

Distribution



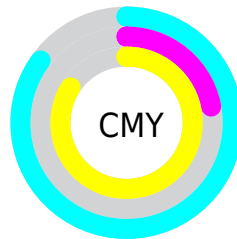
- Red (15%)
- Green (78%)
- Blue (16%)



- Red (15%)
- Yellow (77%)
- Blue (78%)



- Cyan (80%)
- Magenta (0%)
- Yellow (79%)
- Black (22%)





- Cyan (85%)
- Magenta (22%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9071, 0.3004, 0.5745 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 41.9071, 0.3004, 0.5745 by changing the saturation by 10% instead.


 41.9071, 0.3004,
0.5745

 41.9071, 0.3004,
0.5745

354.0977, 0.3171,
0.4408


 29.0286, 0.2918,
0.6090


 78.0590, 0.3096,
0.5244


 19.1024, 0.2780,
0.6526

 102.1012, 0.3120,
0.5059


 11.7443, 0.2559,
0.7094


 130.6333, 0.3137,
0.4904

 6.5698, 0.2185,
0.7815

 164.0398, 0.3149,
0.4774

 3.1946, 0.1445,
0.8555

 202.7051, 0.3158,
0.4662

 1.2341, 0.0000,
1.0000


 247.0136, 0.3164,


 0.0893, 0.0000,


0.4566

1.0000


297.3497, 0.3168,
0.4481


 0.0000, 0.0000,
0.0000


 41.9071, 0.3004,
0.5745


 41.9071, 0.3004,
0.5745


 41.5068, 0.2999,
0.5908


 42.5855, 0.3013,
0.5501

 41.3155, 0.2997,
0.5990

 43.5741, 0.3027,
0.5195

 44.9061, 0.3043,
0.4852

 46.6091, 0.3061,
0.4499

 48.7079, 0.3078,
0.4157

■ 51.2253, 0.3096,
0.3839

■ 54.1821, 0.3112,
0.3553

■ 57.5979, 0.3127,
0.3300

■ 61.4912, 0.3140,
0.3081

Harmonies

Analogous

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



41.9071, 0.4124, 0.5453



41.9071, 0.3004, 0.5745



41.9071, 0.1967, 0.4704

Triad

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



41.9071, 0.3004, 0.5745



41.9071, 0.1288, 0.1599



41.9071, 0.5287, 0.2959

Complementary

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



41.9071, 0.3004, 0.5745



17.7752, 0.3240, 0.1663

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.



41.9071, 0.4116, 0.2274



41.9071, 0.3004, 0.5745



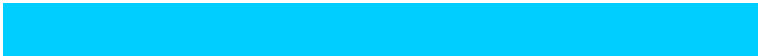
41.9071, 0.1804, 0.1535

Square

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



41.9071, 0.3004, 0.5745



41.9071, 0.1129, 0.2049



41.9071, 0.2768, 0.1770



41.9071, 0.5609, 0.3722

Rectangle

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



41.9071, 0.3004, 0.5745



41.9071, 0.1481, 0.3598



41.9071, 0.2768, 0.1770



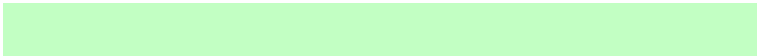
41.9071, 0.4968, 0.2719

Sweetspot

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



41.9088, 0.3004, 0.5745



86.8984, 0.3089, 0.3960



53.3681, 0.4109, 0.4969



18.2669, 0.3083, 0.4075



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.



41.9088, 0.3004, 0.5745



71.5961, 0.2999, 0.5977



43.1528, 0.2671, 0.4606



11.8909, 0.3114, 0.3524



26.2719, 0.2996, 0.5987



1.2451, 0.2983, 0.5940

Inverse Universe

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



17.7752, 0.3240, 0.1663



28.3636, 0.3254, 0.1573



15.0204, 0.4549, 0.2462



10.8132, 0.3140, 0.3066



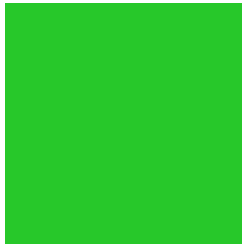
10.3553, 0.3254, 0.1566



0.4914, 0.3244, 0.1561

Previews

White Background



This preview shows how the Yxy color 41.9071, 0.3004, 0.5745 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 41.9071, 0.3004, 0.5745 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 41.9071, 0.3004, 0.5745

Background



This preview shows how black text looks on a background with the Yxy color 41.9071, 0.3004, 0.5745.



This preview shows how white text looks on a background with the Yxy color 41.9071, 0.3004, 0.5745.

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

41.9071, 0.3004, 0.5745

Protanopia

40.9639, 0.4330, 0.4788

Deuteranopia

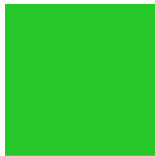
40.9572, 0.4521, 0.4418



Tritanopia

41.5085, 0.2387, 0.3066

Trichromacy



Original Color

41.9071, 0.3004, 0.5745



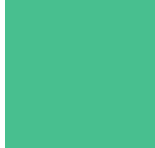
Protanomaly

38.9142, 0.3691, 0.5244



Deuteranomaly

37.8870, 0.3808, 0.4987



Tritanomaly

40.6225, 0.2644, 0.4090

Monochromacy



Original Color

41.9071, 0.3004, 0.5745



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.1026, 0.3069, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9071, 0.3004, 0.5745 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(39, 200, 42)` looks like.

```
.text, #text, p{  
    color:rgb(39, 200, 42)  
}
```

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(39, 200, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 200, 42) }
```

Border

The CSS property to change the border of an element to Yxy 41.9071, 0.3004, 0.5745 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(39, 200, 42) }
```

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

```
.border{ border-color:rgb(39, 200, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 200, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 200, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 200, 42);  
box-shadow:4px 4px 4px 4px rgb(39, 200,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9071, 0.3004, 0.5745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 200, 42) }
```

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

```
.background{ background-color: rgb(39, 200,  
42) }
```

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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