

Converting Colors

$Y_{xy}(41.8574, 0.3198, 0.5805)$

Have a look what the booklet for
Yxy(41.8574, 0.3198, 0.5805)
contains.

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Color

Yxy(41.8682, 0.3200, 0.5805)

Conversions

Conversions Part 1

Format	Color
Hex	4AC60B
RGB	74, 198, 11
RGB Percent	29%, 78%, 4%
CMY	0.7097, 0.2235, 0.9575
CMYK	0.63, 0.00, 0.95, 0.22
HSL	100°, 90%, 41%
HSV	100°, 95%, 78%
XYZ	23.0798, 41.8682, 7.1764
YIQ	139.6060, -13.8770, -84.4450

Conversions

Conversions Part 2

Format	Color
RYB	11, 198, 135
Decimal	4900363
CIELab	70.78, -62.11, 68.83
CIELCh	71, 92.715, 132.063
Yxy	41.8682, 0.3200, 0.5805
Android (android.graphics.Color)	4283090443 (0xFF4AC60B)
YUV	139.6060, -63.4028, -57.5365
Hunter-Lab	64.7056, -49.5659, 38.7182

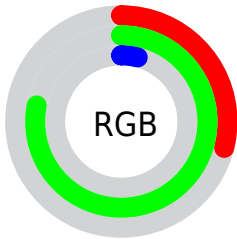
Details

The Yxy color **41.8682, 0.3200, 0.5805** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **9.4489, 0.2416, 0.1126**, and the grayscale version is **26.3172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4785, 0.3266, 0.5307**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.5768, 0.3173, 0.5863**, and if you desaturate by 10%, it is **42.5195, 0.3247, 0.5662**.

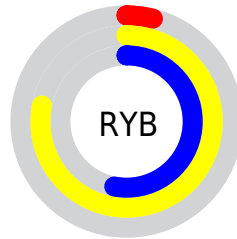
Distribution



Red (29%)

Green (78%)

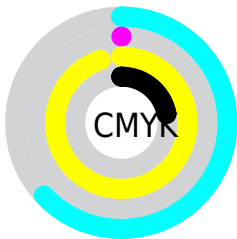
Blue (4%)



Red (4%)

Yellow (78%)

Blue (53%)

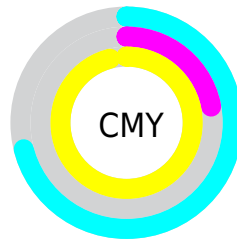


Cyan (63%)

Magenta (0%)

Yellow (95%)

Black (22%)



Cyan (71%)


Magenta (22%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8682, 0.3200, 0.5805 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 41.8682, 0.3200, 0.5805 by changing the saturation by 10% instead.


 41.8682, 0.3200,
0.5805


 41.8682, 0.3200,
0.5805

 353.9363, 0.3285,
0.4461


 28.9981, 0.3126,
0.6135


 78.0001, 0.3268,
0.5312

 19.0794, 0.2998,
0.6539


 102.0307, 0.3282,
0.5127

 11.7277, 0.2813,
0.7124


 130.5503, 0.3289,
0.4970

 6.5585, 0.2395,
0.7605

 163.9432, 0.3292,
0.4837

 3.1876, 0.1737,
0.8263

 202.5939, 0.3293,
0.4723

 1.2304, 0.0000,
1.0000

 246.8867, 0.3291,

 0.0863, 0.0000,

0.4624

1.0000

297.2060, 0.3289,
0.4537

■ 0.0000, 0.0000,
0.0000

■ 41.8682, 0.3200,
0.5805

■ 41.8682, 0.3200,
0.5805

■ 41.5768, 0.3173,
0.5863

■ 42.5195, 0.3247,
0.5662

■ 43.3476, 0.3280,
0.5454

■ 44.3703, 0.3296,
0.5192

■ 45.6014, 0.3297,
0.4893

■ 47.0532, 0.3283,
0.4576

■ 48.7370, 0.3257,
0.4258

■ 50.6633, 0.3224,
0.3951

■ 52.8416, 0.3186,
0.3663

■ 55.2813, 0.3146,
0.3400

Harmonies

Analogous

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



41.8682, 0.4317, 0.5328



41.8682, 0.3200, 0.5805



41.8682, 0.2120, 0.4998

Triad

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



41.8682, 0.3200, 0.5805



41.8682, 0.1223, 0.1633



41.8682, 0.5148, 0.2824

Complementary

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



41.8682, 0.3200, 0.5805



9.4489, 0.2416, 0.1126

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.



41.8682, 0.3872, 0.2159



41.8682, 0.3200, 0.5805



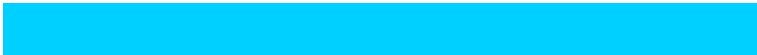
41.8682, 0.1672, 0.1511

Square

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



41.8682, 0.3200, 0.5805



41.8682, 0.1122, 0.2173



41.8682, 0.2556, 0.1696



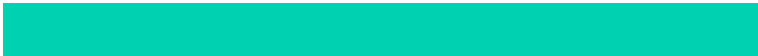
41.8682, 0.5644, 0.3577

Rectangle

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



41.8682, 0.3200, 0.5805



41.8682, 0.1576, 0.3894



41.8682, 0.2556, 0.1696



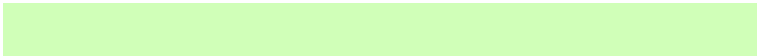
41.8682, 0.4778, 0.2588

Sweetspot

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



41.8700, 0.3200, 0.5805



88.3312, 0.3238, 0.4069



28.6679, 0.4909, 0.4444



18.5913, 0.3252, 0.4204



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.



41.8700, 0.3200, 0.5805



73.5028, 0.3163, 0.5870



40.6050, 0.2958, 0.5804



12.0590, 0.3166, 0.3525



27.0805, 0.3182, 0.5856



1.3222, 0.3350, 0.5722

Inverse Universe

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



9.4489, 0.2416, 0.1126



15.6448, 0.2358, 0.1073



15.1415, 0.3602, 0.1779



10.6304, 0.3085, 0.3059



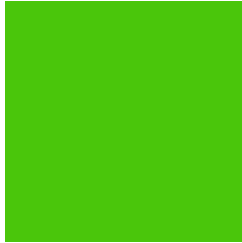
5.8460, 0.2381, 0.1085



0.3154, 0.2557, 0.1182

Previews

White Background



This preview shows how the Yxy color 41.8682, 0.3200, 0.5805 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 41.8682, 0.3200, 0.5805 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 41.8682, 0.3200, 0.5805

Background



This preview shows how black text looks on a background with the Yxy color 41.8682, 0.3200, 0.5805.



This preview shows how white text looks on a background with the Yxy color 41.8682, 0.3200, 0.5805.

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

41.8682, 0.3200, 0.5805

Protanopia

40.9744, 0.4408, 0.4882

Deuteranopia

40.9677, 0.4609, 0.4512



Tritanopia

41.5926, 0.2482, 0.3069

Trichromacy



Original Color

41.8682, 0.3200, 0.5805



Protanomaly

39.5405, 0.3890, 0.5281



Deuteranomaly

39.0421, 0.4020, 0.5050



Tritanomaly

40.5207, 0.2839, 0.4243

Monochromacy



Original Color

41.8682, 0.3200, 0.5805



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

29.9931, 0.3277, 0.4483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8682, 0.3200, 0.5805 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(74, 198, 11)` looks like.

```
.text, #text, p{  
    color:rgb(74, 198, 11)  
}
```

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(74, 198, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 198, 11) }
```

Border

The CSS property to change the border of an element to Yxy 41.8682, 0.3200, 0.5805 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(74, 198, 11) }
```

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

```
.border{ border-color:rgb(74, 198, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 198, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 198, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 198, 11);  
box-shadow:4px 4px 4px 4px rgb(74, 198,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8682, 0.3200, 0.5805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 198, 11) }
```

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

```
.background{ background-color: rgb(74, 198,  
11) }
```

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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