

Converting Colors

$Y_{xy}(41.8509, 0.3076, 0.5875)$

Have a look what the booklet for
Yxy(41.8509, 0.3076, 0.5875)
contains.

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Color

Yxy(41.9774, 0.3077, 0.5877)

Conversions

Conversions Part 1

Format	Color
Hex	30C811
RGB	48, 200, 17
RGB Percent	19%, 78%, 7%
CMY	0.8113, 0.2157, 0.9336
CMYK	0.76, 0.00, 0.92, 0.22
HSL	110°, 84%, 43%
HSV	110°, 92%, 78%
XYZ	21.9780, 41.9774, 7.4712
YIQ	133.6900, -31.8490, -89.1370

Conversions

Conversions Part 2

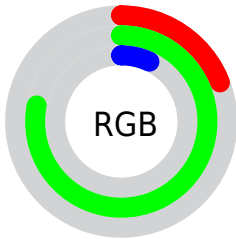
Format	Color
RYB	17, 200, 169
Decimal	3196945
CIELab	70.86, -67.48, 67.87
CIELCh	71, 95.711, 134.836
Yxy	41.9774, 0.3077, 0.5877
Android (android.graphics.Color)	4281387025 (0xFF30C811)
YUV	133.6900, -57.5282, -75.1501
Hunter-Lab	64.7900, -52.8319, 38.5160

Details

The Yxy color **41.9774, 0.3077, 0.5877** 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 **12.9842, 0.2817, 0.1357**, and the grayscale version is **23.9547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1850, 0.3171, 0.5346**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.6488, 0.3050, 0.5960**, and if you desaturate by 10%, it is **42.5548, 0.3110, 0.5717**.

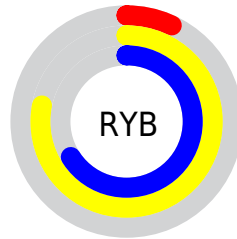
Distribution



Red (19%)

Green (78%)

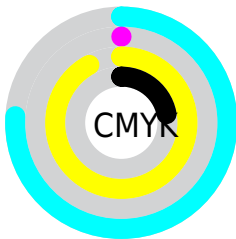
Blue (7%)



Red (7%)

Yellow (78%)

Blue (66%)

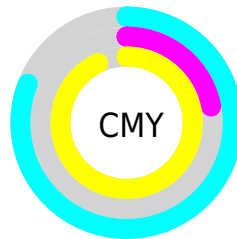


Cyan (76%)

Magenta (0%)

Yellow (92%)

Black (22%)



Cyan (81%)

Magenta (22%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9774, 0.3077, 0.5877 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 41.9774, 0.3077, 0.5877 by changing the saturation by 10% instead.


 41.9774, 0.3077,
0.5877

 41.9774, 0.3077,
0.5877

354.3892, 0.3226,
0.4482

 29.0836, 0.2988,
0.6226


 78.1654, 0.3168,
0.5361


 19.1441, 0.2841,
0.6655

 102.2284, 0.3191,
0.5168


 11.7744, 0.2627,
0.7263


 130.7833, 0.3205,
0.5007

 6.5903, 0.2191,
0.7809

 164.2144, 0.3214,
0.4869

 3.2072, 0.1457,
0.8543

 202.9062, 0.3220,
0.4751

 1.2408, 0.0000,
1.0000

 247.2430, 0.3223,

 0.0947, 0.0000,

0.4649


1.0000

297.6092, 0.3225,
0.4560


 0.0000, 0.0000,
0.0000


 41.9774, 0.3077,
0.5877

 41.9774, 0.3077,
0.5877


 41.6488, 0.3050,
0.5960

 42.5548, 0.3110,
0.5717

 43.3652, 0.3137,
0.5482

 44.4335, 0.3156,
0.5190

 45.7799, 0.3166,
0.4862

 47.4225, 0.3169,
0.4522

■ 49.3779, 0.3165,
0.4188

■ 51.6612, 0.3156,
0.3873

■ 54.2868, 0.3144,
0.3585

■ 57.2682, 0.3129,
0.3327

Harmonies

Analogous

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



41.9774, 0.4224, 0.5445



41.9774, 0.3077, 0.5877



41.9774, 0.1996, 0.4914

Triad

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



41.9774, 0.3077, 0.5877



41.9774, 0.1211, 0.1569



41.9774, 0.5297, 0.2873

Complementary

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



41.9774, 0.3077, 0.5877



12.9842, 0.2817, 0.1357

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.



41.9774, 0.4028, 0.2187



41.9774, 0.3077, 0.5877



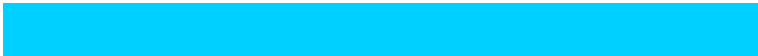
41.9774, 0.1701, 0.1479

Square

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



41.9774, 0.3077, 0.5877



41.9774, 0.1076, 0.2064



41.9774, 0.2647, 0.1694



41.9774, 0.5703, 0.3640

Rectangle

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



41.9774, 0.3077, 0.5877



41.9774, 0.1475, 0.3748



41.9774, 0.2647, 0.1694



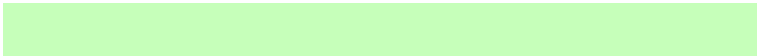
41.9774, 0.4941, 0.2632

Sweetspot

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



41.9792, 0.3077, 0.5877



87.0605, 0.3162, 0.4055



39.7510, 0.4502, 0.4755



18.3526, 0.3165, 0.4166



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.



41.9792, 0.3077, 0.5877



72.0429, 0.3045, 0.5965



41.9330, 0.2853, 0.5400



11.9732, 0.3141, 0.3527



26.5095, 0.3056, 0.5955



1.2829, 0.3185, 0.5853

Inverse Universe

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



12.9842, 0.2817, 0.1357



21.1532, 0.2773, 0.1301



14.6320, 0.4103, 0.2077



10.7217, 0.3111, 0.3060



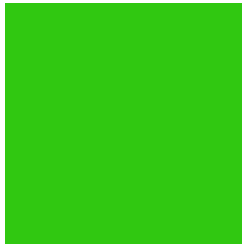
7.8360, 0.2786, 0.1308



0.3959, 0.2879, 0.1360

Previews

White Background



This preview shows how the Yxy color 41.9774, 0.3077, 0.5877 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 41.9774, 0.3077, 0.5877 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 41.9774, 0.3077, 0.5877

Background



This preview shows how black text looks on a background with the Yxy color 41.9774, 0.3077, 0.5877.



This preview shows how white text looks on a background with the Yxy color 41.9774, 0.3077, 0.5877.

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

41.9774, 0.3077, 0.5877

Protanopia

40.9744, 0.4408, 0.4882

Deuteranopia

40.9828, 0.4600, 0.4501



Tritanopia

41.7145, 0.2405, 0.3067

Trichromacy



Original Color

41.9774, 0.3077, 0.5877



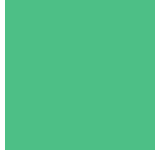
Protanomaly

39.1318, 0.3793, 0.5350



Deuteranomaly

38.1406, 0.3918, 0.5093



Tritanomaly

40.5606, 0.2720, 0.4244

Monochromacy



Original Color

41.9774, 0.3077, 0.5877



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.0926, 0.3175, 0.4525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9774, 0.3077, 0.5877 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, 200, 17)` looks like.

```
.text, #text, p{  
    color:rgb(48, 200, 17)  
}
```

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, 200, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 200, 17) }
```

Border

The CSS property to change the border of an element to Yxy 41.9774, 0.3077, 0.5877 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, 200, 17) }
```

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

```
.border{ border-color:rgb(48, 200, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 200, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 200, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 200, 17);  
box-shadow:4px 4px 4px 4px rgb(48, 200,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9774, 0.3077, 0.5877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 200, 17) }
```

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

```
.background{ background-color: rgb(48, 200,  
17) }
```

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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