

Converting Colors

$Y_{xy}(47.1901, 0.3058, 0.5894)$

Have a look what the booklet for
Yxy(47.1901, 0.3058, 0.5894)
contains.

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Color

Yxy(47.1901, 0.3058, 0.5894)

Conversions

Conversions Part 1

Format	Color
Hex	2DD312
RGB	45, 211, 18
RGB Percent	18%, 83%, 7%
CMY	0.8238, 0.1725, 0.9293
CMYK	0.79, 0.00, 0.91, 0.17
HSL	112°, 84%, 45%
HSV	112°, 91%, 83%
XYZ	24.4838, 47.1901, 8.3908
YIQ	139.3640, -36.9830, -95.2150

Conversions

Conversions Part 2

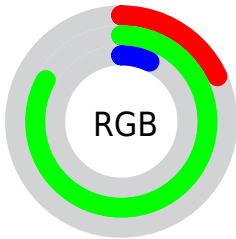
Format	Color
R_{YB}	18, 211, 184
Decimal	3003154
CIE _{Lab}	74.31, -71.13, 70.60
CIE _{LCh}	74, 100.221, 135.216
Yxy	47.1901, 0.3058, 0.5894
Android (android.graphics.Color)	4281193234 (0xFF2DD312)
YUV	139.3640, -59.8325, -82.7572
Hunter-Lab	68.6951, -56.5967, 40.8445

Details

The Yxy color **47.1901, 0.3058, 0.5894** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **15.3384, 0.2887, 0.1394**, and the grayscale version is **26.2083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2895, 0.3170, 0.5325**, and **23.4427, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.8593, 0.3035, 0.5972**, and if you desaturate by 10%, it is **47.7991, 0.3087, 0.5737**.

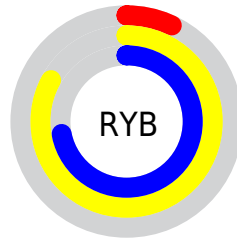
Distribution



Red (18%)

Green (83%)

Blue (7%)



Red (7%)

Yellow (83%)

Blue (72%)

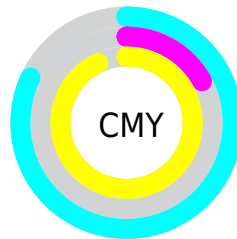


Cyan (79%)

Magenta (0%)

Yellow (91%)

Black (17%)



Cyan (82%)


Magenta (17%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1901, 0.3058, 0.5894 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 47.1901, 0.3058, 0.5894 by changing the saturation by 10% instead.


 47.1901, 0.3058,
0.5894

 47.1901, 0.3058,
0.5894


375.5728, 0.3217,
0.4514

 33.1860, 0.2970,
0.6231


 85.9973, 0.3151,
0.5390


 22.2689, 0.2830,
0.6643


 111.5692, 0.3175,
0.5200

 14.0546, 0.2615,
0.7178


 141.7657, 0.3191,
0.5040

 8.1587, 0.2238,
0.7762

 176.9714, 0.3201,
0.4903

 4.1967, 0.1637,
0.8363

 217.5705, 0.3208,
0.4785

 1.7842, 0.0000,
1.0000


 263.9476, 0.3213,


 0.4773, 0.0000,


0.4683


1.0000


316.4869, 0.3215,
0.4593


 0.0000, 0.0000,
0.0000


 47.1901, 0.3058,
0.5894


 47.1901, 0.3058,
0.5894

 46.8593, 0.3035,
0.5972

 47.7991, 0.3087,
0.5737

 48.6811, 0.3112,
0.5503

 49.8668, 0.3132,
0.5208

 51.3812, 0.3144,
0.4877

 53.2467, 0.3150,
0.4532

■ 55.4836, 0.3150,
0.4193

■ 58.1107, 0.3146,
0.3875

■ 61.1455, 0.3138,
0.3585

■ 64.6045, 0.3129,
0.3325

Harmonies

Analogous

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



47.1901, 0.4211, 0.5465



47.1901, 0.3058, 0.5894



47.1901, 0.1976, 0.4906

Triad

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



47.1901, 0.3058, 0.5894



47.1901, 0.1207, 0.1557



47.1901, 0.5323, 0.2878

Complementary

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



47.1901, 0.3058, 0.5894



15.3384, 0.2887, 0.1394

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.



47.1901, 0.4052, 0.2188



47.1901, 0.3058, 0.5894



47.1901, 0.1702, 0.1472

Square

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



47.1901, 0.3058, 0.5894



47.1901, 0.1067, 0.2046



47.1901, 0.2658, 0.1690



47.1901, 0.5716, 0.3648

Rectangle

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



47.1901, 0.3058, 0.5894



47.1901, 0.1457, 0.3728



47.1901, 0.2658, 0.1690



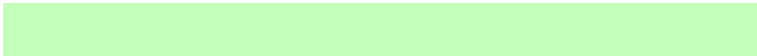
47.1901, 0.4969, 0.2636

Sweetspot

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



47.1921, 0.3058, 0.5894



86.7742, 0.3149, 0.4058



47.3738, 0.4438, 0.4809



18.2869, 0.3150, 0.4170



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.



47.1921, 0.3058, 0.5894



71.8873, 0.3031, 0.5975



47.3856, 0.2828, 0.5317



13.2842, 0.3136, 0.3529



28.3040, 0.3041, 0.5968



1.6088, 0.3139, 0.5890

Inverse Universe

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



15.3384, 0.2887, 0.1394



22.3475, 0.2852, 0.1345



16.2805, 0.4222, 0.2143



11.9220, 0.3116, 0.3059



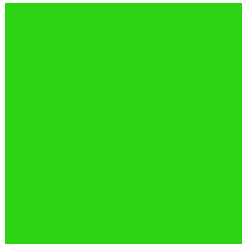
8.8423, 0.2862, 0.1350



0.5179, 0.2929, 0.1387

Previews

White Background



This preview shows how the Yxy color 47.1901, 0.3058, 0.5894 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 47.1901, 0.3058, 0.5894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

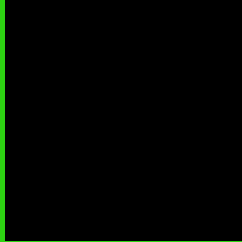
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1901, 0.3058, 0.5894

Background



This preview shows how black text looks on a background with the Yxy color 47.1901, 0.3058, 0.5894.



This preview shows how white text looks on a background with the Yxy color 47.1901, 0.3058, 0.5894.

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

47.1901, 0.3058, 0.5894

Protanopia

46.2933, 0.4398, 0.4890

Deuteranopia

46.0493, 0.4594, 0.4505



Tritanopia

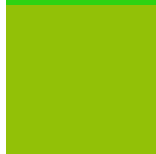
46.7747, 0.2394, 0.3063

Trichromacy



Original Color

47.1901, 0.3058, 0.5894



Protanomaly

44.2663, 0.3760, 0.5376



Deuteranomaly

42.8284, 0.3893, 0.5116



Tritanomaly

45.3161, 0.2706, 0.4252

Monochromacy



Original Color

47.1901, 0.3058, 0.5894



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.7397, 0.3152, 0.4539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1901, 0.3058, 0.5894 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(45, 211, 18)` looks like.

```
.text, #text, p{  
    color:rgb(45, 211, 18)  
}
```

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(45, 211, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 211, 18) }
```

Border

The CSS property to change the border of an element to Yxy 47.1901, 0.3058, 0.5894 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(45, 211, 18) }
```

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

```
.border{ border-color:rgb(45, 211, 18) }
```

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

Here you see how a box with a 4 pixel rgb(45, 211, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 211, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 211, 18);  
box-shadow:4px 4px 4px 4px rgb(45, 211,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1901, 0.3058, 0.5894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 211, 18) }
```

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

```
.background{ background-color: rgb(45, 211,  
18) }
```

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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