

Converting Colors

Yxy(47.6540, 0.3068, 0.5836)

Have a look what the booklet for
Yxy(47.6540, 0.3068, 0.5836)
contains.

Yxy(47.4024, 0.3067, 0.5834)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.4024, 0.3067, 0.5834)

Conversions

Conversions Part 1

Format	Color
Hex	34D31C
RGB	52, 211, 28
RGB Percent	20%, 83%, 11%
CMY	0.7960, 0.1725, 0.8905
CMYK	0.75, 0.00, 0.87, 0.17
HSL	112°, 77%, 47%
HSV	112°, 87%, 83%
XYZ	24.9200, 47.4024, 8.9296
YIQ	142.5970, -36.0210, -90.6210

Conversions

Conversions Part 2

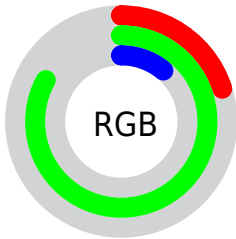
Format	Color
RYB	28, 211, 187
Decimal	3461916
CIELab	74.45, -69.84, 69.05
CIELCh	74, 98.209, 135.326
Yxy	47.4024, 0.3067, 0.5834
Android (android.graphics.Color)	4281651996 (0xFF34D31C)
YUV	142.5970, -56.4963, -79.4536
Hunter-Lab	68.8494, -55.8785, 40.5048

Details

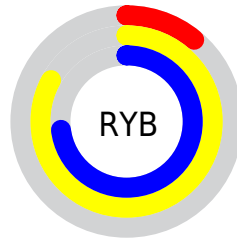
The Yxy color **47.4024, 0.3067, 0.5834** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **16.0843, 0.2921, 0.1439**, and the grayscale version is **27.5392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6703, 0.3173, 0.5266**, and **23.4427, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.9402, 0.3039, 0.5948**, and if you desaturate by 10%, it is **48.1272, 0.3094, 0.5640**.

Distribution



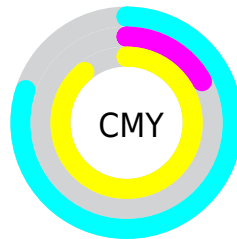
- Red (20%)
- Green (83%)
- Blue (11%)



- Red (11%)
- Yellow (83%)
- Blue (73%)



- Cyan (75%)
- Magenta (0%)
- Yellow (87%)
- Black (17%)





- Cyan (80%)
- Magenta (17%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4024, 0.3067, 0.5834 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 47.4024, 0.3067, 0.5834 by changing the saturation by 10% instead.

 47.4024, 0.3067,
0.5834


 47.4024, 0.3067,
0.5834


376.4185, 0.3215,
0.4485

 33.3539, 0.2985,
0.6165


 86.3140, 0.3154,
0.5340

 22.3977, 0.2852,
0.6573


 111.9458, 0.3176,
0.5155


 14.1494, 0.2643,
0.7091


 142.2075, 0.3191,
0.4998


 8.2246, 0.2292,
0.7708

 177.4836, 0.3201,
0.4864

 4.2390, 0.1699,
0.8301

 218.1583, 0.3207,
0.4749

 1.8082, 0.0000,
1.0000

 264.6161, 0.3211,


 0.4922, 0.0000,


0.4650


1.0000


317.2413, 0.3213,
0.4562


 0.0000, 0.0000,
0.0000


 47.4024, 0.3067,
0.5834


 47.4024, 0.3067,
0.5834


 46.9402, 0.3039,
0.5948


 48.1272, 0.3094,
0.5640

 46.8339, 0.3032,
0.5975

 49.1416, 0.3116,
0.5375

 50.4748, 0.3133,
0.5059

 52.1512, 0.3143,
0.4717

 54.1925, 0.3146,
0.4372

■ 56.6186, 0.3145,
0.4041

■ 59.4480, 0.3141,
0.3735

■ 62.6981, 0.3133,
0.3459

■ 66.3850, 0.3124,
0.3214

Harmonies

Analogous

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



47.4024, 0.4204, 0.5438



47.4024, 0.3067, 0.5834



47.4024, 0.1998, 0.4860

Triad

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



47.4024, 0.3067, 0.5834



47.4024, 0.1234, 0.1583



47.4024, 0.5282, 0.2894

Complementary

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



47.4024, 0.3067, 0.5834



16.0843, 0.2921, 0.1439

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.



47.4024, 0.4040, 0.2209



47.4024, 0.3067, 0.5834



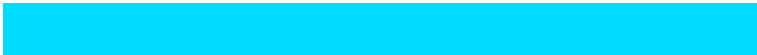
47.4024, 0.1728, 0.1498

Square

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



47.4024, 0.3067, 0.5834



47.4024, 0.1096, 0.2069



47.4024, 0.2674, 0.1716



47.4024, 0.5671, 0.3658

Rectangle

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



47.4024, 0.3067, 0.5834



47.4024, 0.1485, 0.3716



47.4024, 0.2674, 0.1716



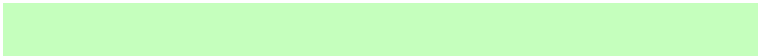
47.4024, 0.4935, 0.2653

Sweetspot

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



47.4044, 0.3067, 0.5834



87.1088, 0.3145, 0.4026



49.3014, 0.4375, 0.4819



18.3487, 0.3146, 0.4139



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.



47.4044, 0.3067, 0.5834



71.8526, 0.3029, 0.5977



47.6634, 0.2803, 0.5171



13.2798, 0.3135, 0.3529



28.2884, 0.3037, 0.5970



1.6067, 0.3131, 0.5896

Inverse Universe

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



16.0843, 0.2921, 0.1439



22.6621, 0.2872, 0.1356



16.6864, 0.4204, 0.2171



11.9269, 0.3117, 0.3059



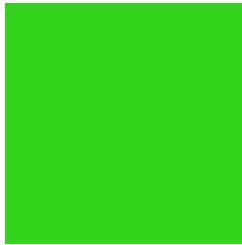
8.9634, 0.2881, 0.1361



0.5236, 0.2945, 0.1396

Previews

White Background



This preview shows how the Yxy color 47.4024, 0.3067, 0.5834 looks on a white background.

Color Contrast Check

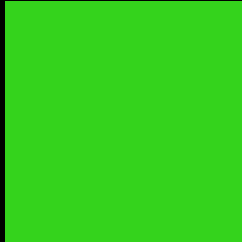
Large Text (above 18pt) WCAG AA × Fail

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 47.4024, 0.3067, 0.5834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

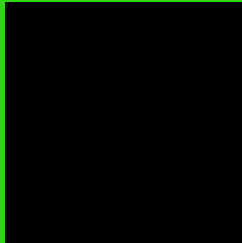
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4024, 0.3067, 0.5834

Background



This preview shows how black text looks on a background with the Yxy color 47.4024, 0.3067, 0.5834.



This preview shows how white text looks on a background with the Yxy color 47.4024, 0.3067, 0.5834.

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

47.4024, 0.3067, 0.5834

Protanopia

46.4787, 0.4385, 0.4851

Deuteranopia

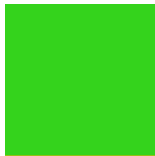
46.2470, 0.4586, 0.4477



Tritanopia

46.9426, 0.2407, 0.3064

Trichromacy



Original Color

47.4024, 0.3067, 0.5834



Protanomaly

44.5874, 0.3768, 0.5315



Deuteranomaly

43.1847, 0.3902, 0.5059



Tritanomaly

45.6566, 0.2706, 0.4179

Monochromacy



Original Color

47.4024, 0.3067, 0.5834



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.2598, 0.3148, 0.4457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4024, 0.3067, 0.5834 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(52, 211, 28)` looks like.

```
.text, #text, p{  
    color:rgb(52, 211, 28)  
}
```

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(52, 211, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 211, 28) }
```

Border

The CSS property to change the border of an element to Yxy 47.4024, 0.3067, 0.5834 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(52, 211, 28) }
```

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

```
.border{ border-color:rgb(52, 211, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 211, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 211, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 211, 28);  
box-shadow:4px 4px 4px 4px rgb(52, 211,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4024, 0.3067, 0.5834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 211, 28) }
```

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

```
.background{ background-color: rgb(52, 211,  
28) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor