

Converting Colors

$Y_{xy}(41.0778, 0.3066, 0.5947)$

Have a look what the booklet for
Yxy(41.0778, 0.3066, 0.5947)
contains.

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Color

Yxy(41.2980, 0.3067, 0.5947)

Conversions

Conversions Part 1

Format	Color
Hex	28C700
RGB	40, 199, 0
RGB Percent	16%, 78%, 0%
CMY	0.8431, 0.2196, 1.0000
CMYK	0.80, 0.00, 1.00, 0.22
HSL	108°, 100%, 39%
HSV	108°, 100%, 78%
XYZ	21.2983, 41.2980, 6.8471
YIQ	128.7730, -30.8850, -95.5970

Conversions

Conversions Part 2

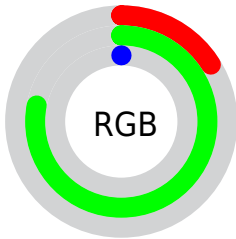
Format	Color
RYB	0, 199, 159
Decimal	2672384
CIELab	70.38, -68.65, 69.41
CIELCh	70, 97.621, 134.686
Yxy	41.2980, 0.3067, 0.5947
Android (android.graphics.Color)	4280862464 (0xFF28C700)
YUV	128.7730, -63.4851, -77.8539
Hunter-Lab	64.2635, -53.3025, 38.6673

Details

The Yxy color **41.2980, 0.3067, 0.5947** 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 **11.4949, 0.2702, 0.1262**, and the grayscale version is **22.1049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8122, 0.3170, 0.5411**, and **19.6449, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.2998, 0.3067, 0.5947**, and if you desaturate by 10%, it is **41.7367, 0.3103, 0.5841**.

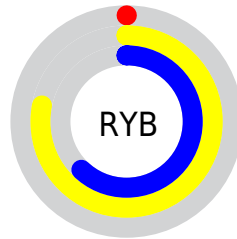
Distribution



Red (16%)

Green (78%)

Blue (0%)



Red (0%)

Yellow (78%)

Blue (62%)

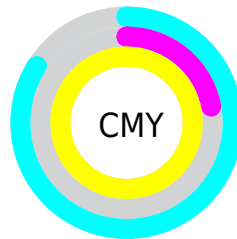


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (84%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2980, 0.3067, 0.5947 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 41.2980, 0.3067, 0.5947 by changing the saturation by 10% instead.


 41.2980, 0.3067,
0.5947


 41.2980, 0.3067,
0.5947


351.5646, 0.3229,
0.4512


 28.5520, 0.2971,
0.6303


 77.1361, 0.3166,
0.5418

 18.7422, 0.2813,
0.6740


 100.9969, 0.3190,
0.5219


 11.4841, 0.2596,
0.7394


 129.3315, 0.3206,
0.5053

 6.3935, 0.2120,
0.7880

 162.5243, 0.3216,
0.4911

 3.0858, 0.1319,
0.8681

 200.9596, 0.3223,
0.4790

 1.1767, 0.0000,
1.0000

 245.0218, 0.3226,

 0.0425, 0.0000,

0.4685

1.0000

295.0953, 0.3228,
0.4593

■ 0.0000, 0.0000,
0.0000

■ 41.2980, 0.3067,
0.5947

■ 41.2980, 0.3067,
0.5947

■ 41.2998, 0.3067,
0.5947

■ 41.7367, 0.3103,
0.5841

■ 42.3706, 0.3138,
0.5667

■ 43.2319, 0.3165,
0.5424

■ 44.3413, 0.3182,
0.5127

■ 45.7167, 0.3189,
0.4800

■ 47.3746, 0.3187,
0.4463

■ 49.3300, 0.3178,
0.4134

■ 51.5966, 0.3164,
0.3825

■ 54.1875, 0.3147,
0.3543

Harmonies

Analogous

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



41.2980, 0.4233, 0.5475



41.2980, 0.3067, 0.5947



41.2980, 0.1970, 0.4970

Triad

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



41.2980, 0.3067, 0.5947



41.2980, 0.1179, 0.1538



41.2980, 0.5344, 0.2854

Complementary

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



41.2980, 0.3067, 0.5947



11.4949, 0.2702, 0.1262

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.



41.2980, 0.4040, 0.2161



41.2980, 0.3067, 0.5947



41.2980, 0.1670, 0.1449

Square

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



41.2980, 0.3067, 0.5947



41.2980, 0.1043, 0.2038



41.2980, 0.2628, 0.1664



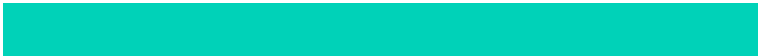
41.2980, 0.5755, 0.3626

Rectangle

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



41.2980, 0.3067, 0.5947



41.2980, 0.1442, 0.3764



41.2980, 0.2628, 0.1664



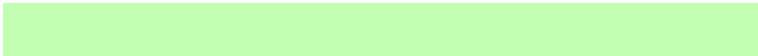
41.2980, 0.4979, 0.2611

Sweetspot

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



41.2998, 0.3067, 0.5947



86.2075, 0.3179, 0.4148



35.8815, 0.4639, 0.4699



18.1267, 0.3183, 0.4287



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.



41.2998, 0.3067, 0.5947



72.2305, 0.3060, 0.5952



41.1380, 0.2901, 0.5643



11.9888, 0.3146, 0.3527



26.5856, 0.3074, 0.5941



1.2900, 0.3216, 0.5829

Inverse Universe

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



11.4949, 0.2702, 0.1262



20.0211, 0.2695, 0.1258



14.1143, 0.4089, 0.2026



10.7048, 0.3106, 0.3060



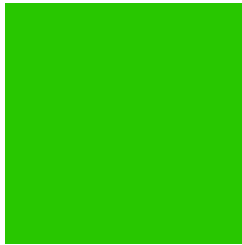
7.4287, 0.2710, 0.1266



0.3799, 0.2819, 0.1327

Previews

White Background



This preview shows how the Yxy color 41.2980, 0.3067, 0.5947 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 41.2980, 0.3067, 0.5947 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 41.2980, 0.3067, 0.5947

Background



This preview shows how black text looks on a background with the Yxy color 41.2980, 0.3067, 0.5947.



This preview shows how white text looks on a background with the Yxy color 41.2980, 0.3067, 0.5947.

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

41.2980, 0.3067, 0.5947

Protanopia

40.4633, 0.4409, 0.4881

Deuteranopia

40.4622, 0.4610, 0.4508



Tritanopia

41.0922, 0.2394, 0.3065

Trichromacy



Original Color

41.2980, 0.3067, 0.5947



Protanomaly

38.3661, 0.3770, 0.5389



Deuteranomaly

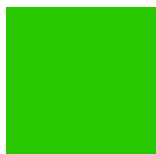
37.3184, 0.3910, 0.5157



Tritanomaly

39.7369, 0.2735, 0.4362

Monochromacy



Original Color

41.2980, 0.3067, 0.5947



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.2618, 0.3195, 0.4659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2980, 0.3067, 0.5947 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(40, 199, 0)` looks like.

```
.text, #text, p{  
    color:rgb(40, 199, 0)  
}
```

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(40, 199, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 199, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.2980, 0.3067, 0.5947 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(40, 199, 0) }
```

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

```
.border{ border-color:rgb(40, 199, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 199, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 199, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 199, 0);  
box-shadow:4px 4px 4px 4px rgb(40, 199, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 41.2980, 0.3067, 0.5947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 199, 0) }
```

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

```
.background{ background-color: rgb(40, 199,  
0) }
```

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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