

Converting Colors

$Y_{xy}(46.9584, 0.2985, 0.5947)$

Have a look what the booklet for
Yxy(46.9584, 0.2985, 0.5947)
contains.

Yxy(47.1340, 0.2985, 0.5947)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.1340, 0.2985, 0.5947)

Conversions

Conversions Part 1

Format	Color
Hex	00D413
RGB	0, 212, 19
RGB Percent	0%, 83%, 7%
CMY	1.0000, 0.1686, 0.9256
CMYK	1.00, 0.00, 0.91, 0.17
HSL	125°, 100%, 42%
HSV	125°, 100%, 83%
XYZ	23.6581, 47.1340, 8.4646
YIQ	126.6100, -64.3990, -104.9670

Conversions

Conversions Part 2

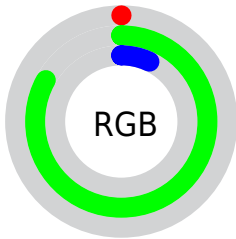
Format	Color
RYB	0, 195, 212
Decimal	54291
CIELab	74.28, -74.60, 70.29
CIELCh	74, 102.495, 136.703
Yxy	47.1340, 0.2985, 0.5947
Android (android.graphics.Color)	4278244371 (0xFF00D413)
YUV	126.6100, -53.0517, -111.0370
Hunter-Lab	68.6542, -58.6340, 40.7479

Details

The Yxy color **47.1340, 0.2985, 0.5947** 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 **17.8504, 0.3450, 0.1674**, and the grayscale version is **21.2848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3671, 0.3101, 0.5357**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.1377, 0.2985, 0.5947**, and if you desaturate by 10%, it is **47.3941, 0.2977, 0.5827**.

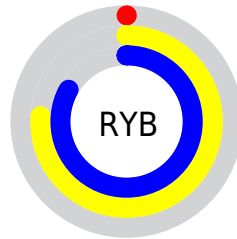
Distribution



Red (0%)

Green (83%)

Blue (7%)



Red (0%)

Yellow (76%)

Blue (83%)

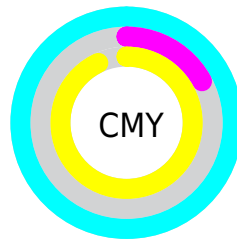


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (17%)



Cyan (100%)


Magenta (17%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1340, 0.2985, 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 47.1340, 0.2985, 0.5947 by changing the saturation by 10% instead.


 47.1340, 0.2985,
0.5947


 47.1340, 0.2985,
0.5947


375.3491, 0.3182,
0.4532


 33.1416, 0.2888,
0.6295


 85.9136, 0.3092,
0.5428


 22.2349, 0.2736,
0.6722


 111.4696, 0.3121,
0.5233


 14.0296, 0.2505,
0.7275


 141.6489, 0.3141,
0.5069

 8.1413, 0.2114,
0.7886

 176.8360, 0.3156,
0.4929

 4.1855, 0.1491,
0.8509

 217.4151, 0.3166,
0.4808

 1.7779, 0.0000,
1.0000

 263.7708, 0.3173,

 0.4733, 0.0000,

0.4704

1.0000

316.2873, 0.3178,
0.4612

■ 0.0000, 0.0000,
0.0000

■ 47.1340, 0.2985,
0.5947

■ 47.1340, 0.2985,
0.5947

■ 47.1377, 0.2985,
0.5947

■ 47.3941, 0.2977,
0.5827

■ 47.8927, 0.2972,
0.5633

■ 48.7016, 0.2975,
0.5373

■ 49.8608, 0.2986,
0.5065

■ 51.4042, 0.3003,
0.4734

■ 53.3619, 0.3025,
0.4401

■ 55.7608, 0.3050,
0.4082

■ 58.6256, 0.3076,
0.3787

■ 61.9792, 0.3102,
0.3523

Harmonies

Analogous

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



47.1340, 0.4157, 0.5539



47.1340, 0.2985, 0.5947



47.1340, 0.1901, 0.4863

Triad

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



47.1340, 0.2985, 0.5947



47.1340, 0.1194, 0.1516



47.1340, 0.5415, 0.2901

Complementary

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



47.1340, 0.2985, 0.5947



17.8504, 0.3450, 0.1674

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.



47.1340, 0.4145, 0.2199



47.1340, 0.2985, 0.5947



47.1340, 0.1713, 0.1448

Square

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



47.1340, 0.2985, 0.5947



47.1340, 0.1036, 0.1981



47.1340, 0.2709, 0.1684



47.1340, 0.5755, 0.3679

Rectangle

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



47.1340, 0.2985, 0.5947



47.1340, 0.1395, 0.3647



47.1340, 0.2709, 0.1684



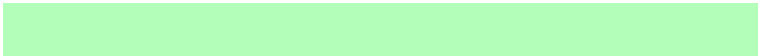
47.1340, 0.5069, 0.2656

Sweetspot

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



47.1377, 0.2985, 0.5947



84.5615, 0.3050, 0.4091



58.6052, 0.4047, 0.5169



17.7513, 0.3039, 0.4225



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.



47.1377, 0.2985, 0.5947



71.5811, 0.2987, 0.5954



48.5377, 0.2648, 0.4731



13.9138, 0.3104, 0.3509



29.1045, 0.2982, 0.5935



1.7618, 0.2931, 0.5750

Inverse Universe

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



17.8504, 0.3450, 0.1674



27.0970, 0.3453, 0.1676



14.7084, 0.5332, 0.2711



12.6127, 0.3151, 0.3080



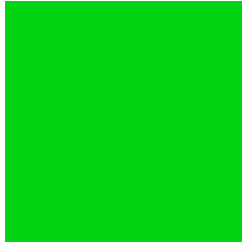
11.0268, 0.3446, 0.1672



0.6708, 0.3401, 0.1647

Previews

White Background



This preview shows how the Yxy color 47.1340, 0.2985, 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 47.1340, 0.2985, 0.5947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

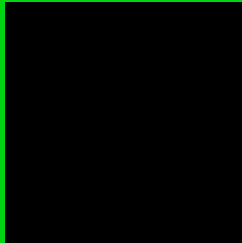
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

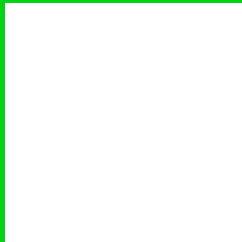
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1340, 0.2985, 0.5947

Background



This preview shows how black text looks on a background with the Yxy color 47.1340, 0.2985, 0.5947.



This preview shows how white text looks on a background with the Yxy color 47.1340, 0.2985, 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

47.1340, 0.2985, 0.5947

Protanopia

46.2933, 0.4398, 0.4890

Deuteranopia

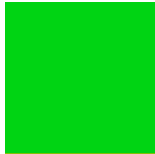
46.0577, 0.4590, 0.4499



Tritanopia

46.8604, 0.2358, 0.3062

Trichromacy



Original Color

47.1340, 0.2985, 0.5947



Protanomaly

42.9011, 0.3621, 0.5486



Deuteranomaly

41.6099, 0.3724, 0.5232



Tritanomaly

45.0639, 0.2623, 0.4268

Monochromacy



Original Color

47.1340, 0.2985, 0.5947



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

26.9076, 0.3007, 0.4655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1340, 0.2985, 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(0, 212, 19)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 19)  
}
```

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(0, 212, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 19) }
```

Border

The CSS property to change the border of an element to Yxy 47.1340, 0.2985, 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(0, 212, 19) }
```

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

```
.border{ border-color:rgb(0, 212, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 19);  
box-shadow:4px 4px 4px 4px rgb(0, 212, 19)  
}
```


Background

The CSS property to change the background color of an element to Yxy 47.1340, 0.2985, 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(0, 212, 19) }
```

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

```
.background{ background-color: rgb(0, 212,  
19) }
```

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