

Converting Colors

$Y_{xy}(47.0167, 0.2963, 0.5866)$

Have a look what the booklet for
Yxy(47.0167, 0.2963, 0.5866)
contains.

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Color

Yxy(47.2083, 0.2962, 0.5864)

Conversions

Conversions Part 1

Format	Color
Hex	00D423
RGB	0, 212, 35
RGB Percent	0%, 83%, 14%
CMY	1.0000, 0.1686, 0.8624
CMYK	1.00, 0.00, 0.83, 0.17
HSL	130°, 100%, 42%
HSV	130°, 100%, 83%
XYZ	23.8457, 47.2083, 9.4513
YIQ	128.4340, -69.5350, -99.9910

Conversions

Conversions Part 2

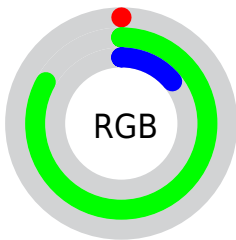
Format	Color
RYB	0, 182, 212
Decimal	54307
CIELab	74.32, -73.97, 67.18
CIELCh	74, 99.922, 137.757
Yxy	47.2083, 0.2962, 0.5864
Android (android.graphics.Color)	4278244387 (0xFF00D423)
YUV	128.4340, -46.0630, -112.6366
Hunter-Lab	68.7083, -58.2899, 39.9400

Details

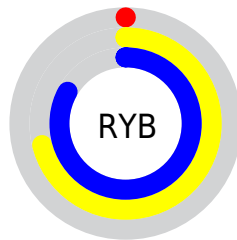
The Yxy color **47.2083, 0.2962, 0.5864** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **17.1691, 0.3682, 0.1802**, and the grayscale version is **21.9315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5089, 0.3074, 0.5278**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.2117, 0.2962, 0.5864**, and if you desaturate by 10%, it is **47.5065, 0.2943, 0.5708**.

Distribution



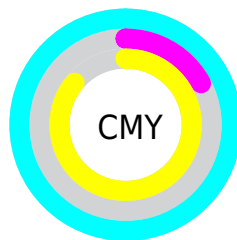
- Red (0%)
- Green (83%)
- Blue (14%)



- Red (0%)
- Yellow (71%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (83%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2083, 0.2962, 0.5864 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 47.2083, 0.2962, 0.5864 by changing the saturation by 10% instead.


 47.2083, 0.2962,
0.5864


 47.2083, 0.2962,
0.5864


375.6454, 0.3159,
0.4487


 33.2004, 0.2869,
0.6208


 86.0245, 0.3066,
0.5356


 22.2800, 0.2724,
0.6635


 111.6015, 0.3095,
0.5166

 14.0628, 0.2497,
0.7173


 141.8036, 0.3115,
0.5007

 8.1643, 0.2138,
0.7862

 177.0153, 0.3130,
0.4871

 4.2003, 0.1521,
0.8479

 217.6209, 0.3141,
0.4754

 1.7862, 0.0000,
1.0000

 264.0049, 0.3149,

 0.4786, 0.0000,

0.4653

1.0000

316.5516, 0.3155,
0.4565

■ 0.0000, 0.0000,
0.0000

■ 47.2083, 0.2962,
0.5864

■ 47.2083, 0.2962,
0.5864

■ 47.2117, 0.2962,
0.5864

■ 47.5065, 0.2943,
0.5708

■ 48.0387, 0.2931,
0.5492

■ 48.8738, 0.2930,
0.5225

■ 50.0494, 0.2940,
0.4926

■ 51.5979, 0.2960,
0.4614

■ 53.5477, 0.2987,
0.4306

■ 55.9242, 0.3020,
0.4013

■ 58.7511, 0.3055,
0.3745

■ 62.0501, 0.3091,
0.3503

Harmonies

Analogous

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



47.2083, 0.4116, 0.5530



47.2083, 0.2962, 0.5864



47.2083, 0.1902, 0.4758

Triad

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



47.2083, 0.2962, 0.5864



47.2083, 0.1238, 0.1540



47.2083, 0.5390, 0.2943

Complementary

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



47.2083, 0.2962, 0.5864



17.1691, 0.3682, 0.1802

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.



47.2083, 0.4174, 0.2244



47.2083, 0.2962, 0.5864



47.2083, 0.1767, 0.1483

Square

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



47.2083, 0.2962, 0.5864



47.2083, 0.1070, 0.1987



47.2083, 0.2764, 0.1726



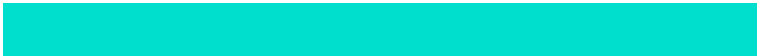
47.2083, 0.5696, 0.3718

Rectangle

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



47.2083, 0.2962, 0.5864



47.2083, 0.1412, 0.3583



47.2083, 0.2764, 0.1726



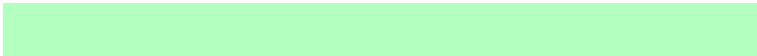
47.2083, 0.5062, 0.2699

Sweetspot

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



47.2117, 0.2962, 0.5864



84.8129, 0.3019, 0.4022



56.8177, 0.3929, 0.5263



17.8087, 0.3004, 0.4144



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.



47.2117, 0.2962, 0.5864



71.6886, 0.2965, 0.5876



48.9191, 0.2580, 0.4489



13.9292, 0.3093, 0.3490



29.1543, 0.2957, 0.5846



1.7690, 0.2877, 0.5556

Inverse Universe

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



17.1691, 0.3682, 0.1802



26.0539, 0.3688, 0.1805



14.4950, 0.5600, 0.2859



12.5958, 0.3163, 0.3098



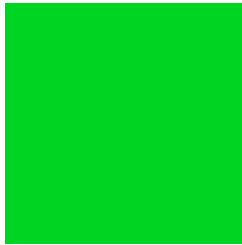
10.6114, 0.3674, 0.1798



0.6496, 0.3581, 0.1746

Previews

White Background



This preview shows how the Yxy color 47.2083, 0.2962, 0.5864 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 47.2083, 0.2962, 0.5864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

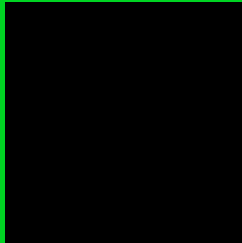
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2083, 0.2962, 0.5864

Background



This preview shows how black text looks on a background with the Yxy color 47.2083, 0.2962, 0.5864.



This preview shows how white text looks on a background with the Yxy color 47.2083, 0.2962, 0.5864.

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

47.2083, 0.2962, 0.5864

Protanopia

46.3724, 0.4358, 0.4831

Deuteranopia

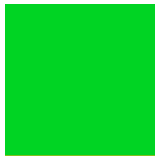
46.1313, 0.4553, 0.4453



Tritanopia

46.8113, 0.2355, 0.3062

Trichromacy



Original Color

47.2083, 0.2962, 0.5864



Protanomaly

42.9795, 0.3586, 0.5405



Deuteranomaly

41.6917, 0.3687, 0.5154



Tritanomaly

45.2199, 0.2588, 0.4165

Monochromacy



Original Color

47.2083, 0.2962, 0.5864



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

27.3538, 0.2964, 0.4552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2083, 0.2962, 0.5864 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 35) }
```

Border

The CSS property to change the border of an element to Yxy 47.2083, 0.2962, 0.5864 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, 35) }
```

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

```
.border{ border-color:rgb(0, 212, 35) }
```

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, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 212, 35)  
}
```


Background

The CSS property to change the background color of an element to Yxy 47.2083, 0.2962, 0.5864 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, 35) }
```

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

```
.background{ background-color: rgb(0, 212,  
35) }
```

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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