

Converting Colors

$Y_{xy}(47.2455, 0.2915, 0.5672)$

Have a look what the booklet for
Yxy(47.2455, 0.2915, 0.5672)
contains.

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Color

Yxy(47.4211, 0.2916, 0.5678)

Conversions

Conversions Part 1

Format	Color
Hex	06D439
RGB	6, 212, 57
RGB Percent	2%, 83%, 22%
CMY	0.9781, 0.1686, 0.7764
CMYK	0.97, 0.00, 0.73, 0.17
HSL	135°, 95%, 43%
HSV	135°, 97%, 83%
XYZ	24.3536, 47.4211, 11.7425
YIQ	132.7360, -73.0210, -91.8770

Conversions

Conversions Part 2

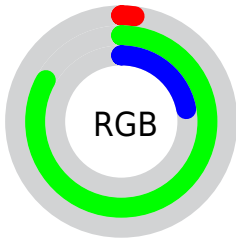
Format	Color
RYB	6, 171, 212
Decimal	447545
CIELab	74.46, -72.33, 60.76
CIELCh	74, 94.468, 139.968
Yxy	47.4211, 0.2916, 0.5678
Android (android.graphics.Color)	4278637625 (0xFF06D439)
YUV	132.7360, -37.3378, -111.1475
Hunter-Lab	68.8630, -57.3831, 38.0939

Details

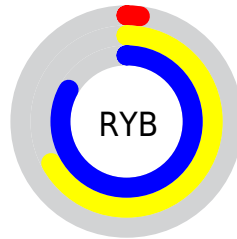
The Yxy color **47.4211, 0.2916, 0.5678** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.6783, 0.3942, 0.1956**, and the grayscale version is **23.4689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8381, 0.3016, 0.5106**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.3467, 0.2923, 0.5722**, and if you desaturate by 10%, it is **47.8018, 0.2890, 0.5483**.

Distribution



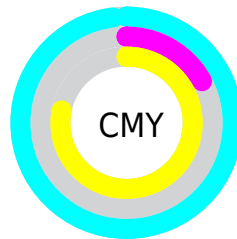
- Red (2%)
- Green (83%)
- Blue (22%)



- Red (2%)
- Yellow (67%)
- Blue (83%)



- Cyan (97%)
- Magenta (0%)
- Yellow (73%)
- Black (17%)





- Cyan (98%)
- Magenta (17%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4211, 0.2916, 0.5678 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 47.4211, 0.2916, 0.5678 by changing the saturation by 10% instead.


 47.4211, 0.2916,
0.5678


 47.4211, 0.2916,
0.5678


376.4929, 0.3115,
0.4393


 33.3687, 0.2831,
0.6008


 86.3419, 0.3014,
0.5199

 22.4090, 0.2701,
0.6426


 111.9790, 0.3043,
0.5021


 14.1578, 0.2493,
0.6957


 142.2464, 0.3064,
0.4873

 8.2305, 0.2203,
0.7797

 177.5287, 0.3080,
0.4747

 4.2428, 0.1599,
0.8401

 218.2100, 0.3093,
0.4639

 1.8103, 0.0000,
1.0000

264.6749, 0.3102,

 0.4936, 0.0000,

0.4546

1.0000

317.3077, 0.3109,
0.4464

■ 0.0000, 0.0000,
0.0000

■ 47.4211, 0.2916,
0.5678

■ 47.4211, 0.2916,
0.5678

■ 47.3467, 0.2923,
0.5722

■ 47.8018, 0.2890,
0.5483

■ 48.4385, 0.2876,
0.5244

■ 49.3792, 0.2876,
0.4975

■ 50.6581, 0.2892,
0.4690

■ 52.3050, 0.2919,
0.4404

■ 54.3462, 0.2955,
0.4129

■ 56.8056, 0.2998,
0.3872

■ 59.7051, 0.3044,
0.3638

■ 63.0650, 0.3092,
0.3429

Harmonies

Analogous

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



47.4211, 0.4029, 0.5493



47.4211, 0.2916, 0.5678



47.4211, 0.1908, 0.4548

Triad

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



47.4211, 0.2916, 0.5678



47.4211, 0.1333, 0.1596



47.4211, 0.5326, 0.3028

Complementary

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



47.4211, 0.2916, 0.5678



16.6783, 0.3942, 0.1956

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.



47.4211, 0.4222, 0.2338



47.4211, 0.2916, 0.5678



47.4211, 0.1881, 0.1559

Square

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



47.4211, 0.2916, 0.5678



47.4211, 0.1147, 0.2005



47.4211, 0.2877, 0.1816



47.4211, 0.5569, 0.3794

Rectangle

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



47.4211, 0.2916, 0.5678



47.4211, 0.1453, 0.3463



47.4211, 0.2877, 0.1816



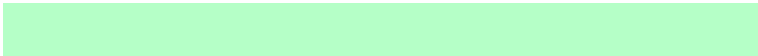
47.4211, 0.5035, 0.2788

Sweetspot

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



47.4231, 0.2916, 0.5678



85.4954, 0.2989, 0.3920



54.9797, 0.3788, 0.5361



17.9496, 0.2971, 0.4030



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.



47.4231, 0.2916, 0.5678



71.8848, 0.2927, 0.5738



49.5606, 0.2493, 0.4160



13.9462, 0.3082, 0.3470



29.2404, 0.2917, 0.5700



1.7770, 0.2821, 0.5357

Inverse Universe

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



16.6783, 0.3942, 0.1956



25.0423, 0.3977, 0.1965



14.4529, 0.5822, 0.3000



12.5774, 0.3175, 0.3117



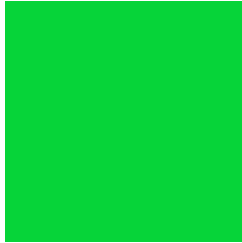
10.2071, 0.3955, 0.1952



0.6285, 0.3799, 0.1866

Previews

White Background



This preview shows how the Yxy color 47.4211, 0.2916, 0.5678 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 47.4211, 0.2916, 0.5678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

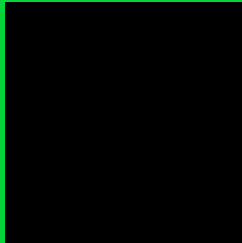
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4211, 0.2916, 0.5678

Background



This preview shows how black text looks on a background with the Yxy color 47.4211, 0.2916, 0.5678.



This preview shows how white text looks on a background with the Yxy color 47.4211, 0.2916, 0.5678.

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

47.4211, 0.2916, 0.5678

Protanopia

46.5150, 0.4289, 0.4729

Deuteranopia

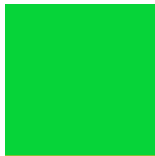
46.5238, 0.4453, 0.4364



Tritanopia

47.2694, 0.2349, 0.3062

Trichromacy



Original Color

47.4211, 0.2916, 0.5678



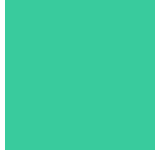
Protanomaly

43.2934, 0.3537, 0.5244



Deuteranomaly

42.0569, 0.3625, 0.4977



Tritanomaly

46.0161, 0.2546, 0.4023

Monochromacy



Original Color

47.4211, 0.2916, 0.5678



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

28.8868, 0.2930, 0.4363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4211, 0.2916, 0.5678 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(6, 212, 57)` looks like.

```
.text, #text, p{  
    color:rgb(6, 212, 57)  
}
```

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(6, 212, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 212, 57) }
```

Border

The CSS property to change the border of an element to Yxy 47.4211, 0.2916, 0.5678 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(6, 212, 57) }
```

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

```
.border{ border-color:rgb(6, 212, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 212, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 212, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 212, 57);  
box-shadow:4px 4px 4px 4px rgb(6, 212, 57)  
}
```


Background

The CSS property to change the background color of an element to Yxy 47.4211, 0.2916, 0.5678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 212, 57) }
```

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

```
.background{ background-color: rgb(6, 212,  
57) }
```

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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