

Converting Colors

$Y_{xy}(43.4275, 0.2920, 0.5714)$

Have a look what the booklet for
Yxy(43.4275, 0.2920, 0.5714)
contains.

Yxy(43.4247, 0.2921, 0.5717)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.4247, 0.2921, 0.5717)

Conversions

Conversions Part 1

Format	Color
Hex	00CC33
RGB	0, 204, 51
RGB Percent	0%, 80%, 20%
CMY	1.0000, 0.2000, 0.7999
CMYK	1.00, 0.00, 0.75, 0.20
HSL	135°, 100%, 40%
HSV	135°, 100%, 80%
XYZ	22.1871, 43.4247, 10.3454
YIQ	125.5620, -72.4710, -90.8310

Conversions

Conversions Part 2

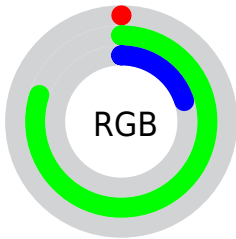
Format	Color
RYB	0, 163, 204
Decimal	52275
CIELab	71.84, -70.77, 60.19
CIELCh	72, 92.903, 139.618
Yxy	43.4247, 0.2921, 0.5717
Android (android.graphics.Color)	4278242355 (0xFF00CC33)
YUV	125.5620, -36.7591, -110.1179
Hunter-Lab	65.8974, -55.2211, 36.8201

Details

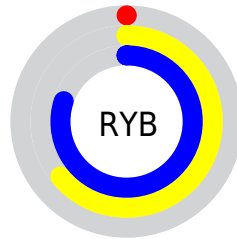
The Yxy color **43.4247, 0.2921, 0.5717** is a dark color, and the websafe version is hex **00CC33**, and the color name is **vivid malachite**. The color can be described as dark washed green. A complement of this color would be **15.1383, 0.3969, 0.1960**, and the grayscale version is **20.8553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5246, 0.3026, 0.5180**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.4289, 0.2921, 0.5717**, and if you desaturate by 10%, it is **43.7397, 0.2894, 0.5532**.

Distribution



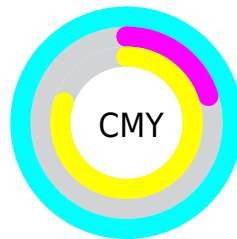
- Red (0%)
- Green (80%)
- Blue (20%)



- Red (0%)
- Yellow (64%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (20%)




- Cyan (100%)
- Magenta (20%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4247, 0.2921, 0.5717 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 43.4247, 0.2921, 0.5717 by changing the saturation by 10% instead.

 43.4247, 0.2921,
0.5717


 43.4247, 0.2921,
0.5717


360.3554, 0.3123,
0.4394


 30.2185, 0.2831,
0.6062


 80.3514, 0.3023,
0.5220


 20.0045, 0.2691,
0.6500


 104.8406, 0.3052,
0.5037


 12.3983, 0.2465,
0.7060


 133.8596, 0.3073,
0.4884

 7.0155, 0.2122,
0.7878

 167.7928, 0.3089,
0.4755

 3.4718, 0.1412,
0.8588

 207.0246, 0.3101,
0.4645

 1.3827, 0.0000,
1.0000

 251.9394, 0.3110,

 0.2040, 0.0000,

0.4550

1.0000

302.9215, 0.3117,
0.4467

■ 0.0000, 0.0000,
0.0000

■ 43.4247, 0.2921,
0.5717

■ 43.4247, 0.2921,
0.5717

■ 43.4289, 0.2921,
0.5717

■ 43.7397, 0.2894,
0.5532

■ 44.2604, 0.2877,
0.5304

■ 45.0497, 0.2874,
0.5041

■ 46.1404, 0.2886,
0.4760

■ 47.5604, 0.2910,
0.4474

■ 49.3344, 0.2945,
0.4196

■ 51.4845, 0.2986,
0.3935

■ 54.0311, 0.3032,
0.3696

■ 56.9932, 0.3079,
0.3481

Harmonies

Analogous

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



43.4247, 0.4043, 0.5506



43.4247, 0.2921, 0.5717



43.4247, 0.1903, 0.4585

Triad

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



43.4247, 0.2921, 0.5717



43.4247, 0.1314, 0.1583



43.4247, 0.5344, 0.3013

Complementary

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



43.4247, 0.2921, 0.5717



15.1383, 0.3969, 0.1960

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.



43.4247, 0.4219, 0.2321



43.4247, 0.2921, 0.5717



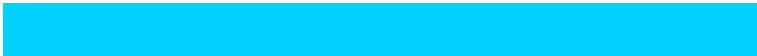
43.4247, 0.1859, 0.1543

Square

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



43.4247, 0.2921, 0.5717



43.4247, 0.1130, 0.1998



43.4247, 0.2858, 0.1798



43.4247, 0.5596, 0.3782

Rectangle

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



43.4247, 0.2921, 0.5717



43.4247, 0.1441, 0.3480



43.4247, 0.2858, 0.1798



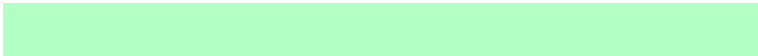
43.4247, 0.5046, 0.2772

Sweetspot

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



43.4289, 0.2921, 0.5717



85.1044, 0.2985, 0.3945



49.9626, 0.3755, 0.5401



17.8759, 0.2966, 0.4054



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.



43.4289, 0.2921, 0.5717



71.8875, 0.2927, 0.5736



45.4898, 0.2479, 0.4124



12.5822, 0.3082, 0.3469



27.3449, 0.2915, 0.5694



1.4232, 0.2805, 0.5298

Inverse Universe

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



15.1383, 0.3969, 0.1960



25.0319, 0.3981, 0.1967



13.0776, 0.5946, 0.3049



11.3539, 0.3175, 0.3118



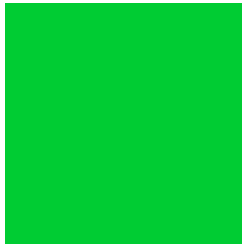
9.5429, 0.3956, 0.1953



0.5040, 0.3780, 0.1856

Previews

White Background



This preview shows how the Yxy color 43.4247, 0.2921, 0.5717 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 43.4247, 0.2921, 0.5717 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 43.4247, 0.2921, 0.5717

Background



This preview shows how black text looks on a background with the Yxy color 43.4247, 0.2921, 0.5717.



This preview shows how white text looks on a background with the Yxy color 43.4247, 0.2921, 0.5717.

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

43.4247, 0.2921, 0.5717

Protanopia

42.5776, 0.4298, 0.4747

Deuteranopia

42.5712, 0.4480, 0.4381



Tritanopia

43.1680, 0.2349, 0.3054

Trichromacy



Original Color

43.4247, 0.2921, 0.5717



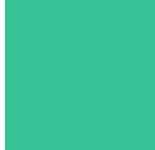
Protanomaly

39.6830, 0.3530, 0.5280



Deuteranomaly

38.4684, 0.3628, 0.5018



Tritanomaly

41.9891, 0.2546, 0.4036

Monochromacy



Original Color

43.4247, 0.2921, 0.5717



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.7175, 0.2916, 0.4381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4247, 0.2921, 0.5717 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, 204, 51)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 51)  
}
```

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, 204, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 51) }
```

Border

The CSS property to change the border of an element to Yxy 43.4247, 0.2921, 0.5717 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, 204, 51) }
```

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

```
.border{ border-color:rgb(0, 204, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 51);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 51)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.4247, 0.2921, 0.5717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 51) }
```

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

```
.background{ background-color: rgb(0, 204,  
51) }
```

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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