

Converting Colors

$Y_{xy}(46.2939, 0.2565, 0.5187)$

Have a look what the booklet for
Yxy(46.2939, 0.2565, 0.5187)
contains.

Yxy(48.0266, 0.2751, 0.5102)	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(48.0266, 0.2751, 0.5102)

Conversions

Conversions Part 1

Format	Color
Hex	00D465
RGB	0, 212, 101
RGB Percent	0%, 83%, 40%
CMY	0.9981, 0.1686, 0.6040
CMYK	1.00, 0.00, 0.52, 0.17
HSL	149°, 100%, 42%
HSV	149°, 100%, 83%
XYZ	25.8960, 48.0266, 20.2103
YIQ	135.9580, -90.7210, -79.4650

Conversions

Conversions Part 2

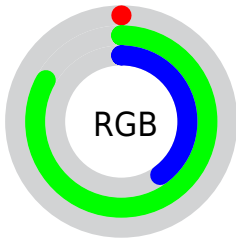
Format	Color
RYB	0, 144, 212
Decimal	54373
CIELab	74.84, -67.42, 42.54
CIELCh	75, 79.715, 147.750
Yxy	48.0266, 0.2751, 0.5102
Android (android.graphics.Color)	4278244453 (0xFF00D465)
YUV	135.9580, -17.2343, -119.2352
Hunter-Lab	69.3012, -54.5766, 31.2201

Details

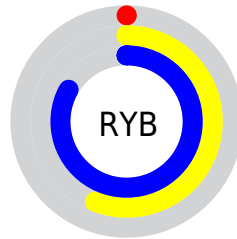
The Yxy color **48.0266, 0.2751, 0.5102** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **15.1668, 0.4867, 0.2456**, and the grayscale version is **24.7525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7962, 0.2832, 0.4599**, and **24.0072, 0.2868, 0.5523** is the 20% darker color. If you saturate the color by 10%, you get **48.0202, 0.2752, 0.5106**, and if you desaturate by 10%, it is **48.4256, 0.2720, 0.4915**.

Distribution



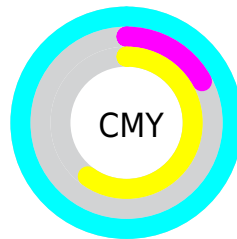
- Red (0%)
- Green (83%)
- Blue (40%)



- Red (0%)
- Yellow (56%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (17%)




- Cyan (100%)
- Magenta (17%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0266, 0.2751, 0.5102 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 48.0266, 0.2751, 0.5102 by changing the saturation by 10% instead.

 48.0266, 0.2751,
0.5102


 48.0266, 0.2751,
0.5102


378.8976, 0.2987,
0.4122

 33.8480, 0.2675,
0.5365


 87.2440, 0.2849,
0.4731


 22.7768, 0.2568,
0.5711


 113.0516, 0.2882,
0.4596

 14.4288, 0.2408,
0.6179


 143.5042, 0.2909,
0.4483

 8.4195, 0.2155,
0.6831

 178.9863, 0.2930,
0.4388

 4.3645, 0.1818,
0.8143

 219.8823, 0.2948,
0.4307

 1.8795, 0.0000,
1.0000

266.5766, 0.2963,

 0.5360, 0.0000,

0.4237


1.0000

319.4535, 0.2976,
0.4176


 0.0000, 0.0000,
0.0000


 48.0266, 0.2751,
0.5102


 48.0266, 0.2751,
0.5102


 48.0202, 0.2752,
0.5106

 48.4256, 0.2720,
0.4915

 49.0335, 0.2705,
0.4717

 49.9108, 0.2711,
0.4511

 51.0909, 0.2735,
0.4304

 52.6022, 0.2777,
0.4103

■ 54.4696, 0.2832,
0.3911

■ 56.7156, 0.2898,
0.3732

■ 59.3608, 0.2972,
0.3568

■ 62.4241, 0.3049,
0.3420

Harmonies

Analogous

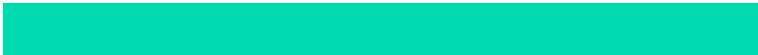
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.0266, 0.3739, 0.5303



48.0266, 0.2751, 0.5102



48.0266, 0.1918, 0.3992

Triad

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



48.0266, 0.2751, 0.5102



48.0266, 0.1638, 0.1765



48.0266, 0.5129, 0.3283

Complementary

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



48.0266, 0.2751, 0.5102



15.1668, 0.4867, 0.2456

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.



48.0266, 0.4346, 0.2623



48.0266, 0.2751, 0.5102



48.0266, 0.2239, 0.1795

Square

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



48.0266, 0.2751, 0.5102



48.0266, 0.1385, 0.2058



48.0266, 0.3210, 0.2097



48.0266, 0.5188, 0.4006

Rectangle

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



48.0266, 0.2751, 0.5102



48.0266, 0.1567, 0.3148



48.0266, 0.3210, 0.2097



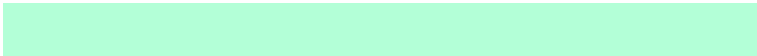
48.0266, 0.4940, 0.3054

Sweetspot

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



48.0285, 0.2751, 0.5102



85.9425, 0.2894, 0.3742



50.6178, 0.3408, 0.5675



18.0716, 0.2865, 0.3816



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.



48.0285, 0.2751, 0.5102



72.9040, 0.2757, 0.5125



51.4947, 0.2275, 0.3390



13.9932, 0.3052, 0.3415



29.6658, 0.2745, 0.5081



1.8060, 0.2654, 0.4753

Inverse Universe

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



15.1668, 0.4867, 0.2456



22.9772, 0.4894, 0.2469



14.0241, 0.6368, 0.3283



12.5286, 0.3210, 0.3168



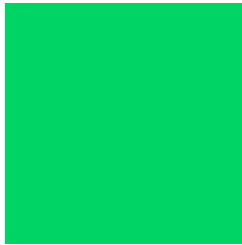
9.3739, 0.4842, 0.2441



0.5821, 0.4484, 0.2244

Previews

White Background



This preview shows how the Yxy color 48.0266, 0.2751, 0.5102 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 48.0266, 0.2751, 0.5102 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 48.0266, 0.2751, 0.5102

Background



This preview shows how black text looks on a background with the Yxy color 48.0266, 0.2751, 0.5102.



This preview shows how white text looks on a background with the Yxy color 48.0266, 0.2751, 0.5102.

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

48.0266, 0.2751, 0.5102

Protanopia

47.1789, 0.4032, 0.4406

Deuteranopia

46.7920, 0.4117, 0.4028



Tritanopia

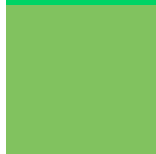
48.0603, 0.2328, 0.3063

Trichromacy



Original Color

48.0266, 0.2751, 0.5102



Protanomaly

44.0769, 0.3298, 0.4780



Deuteranomaly

42.6907, 0.3336, 0.4503



Tritanomaly

46.9718, 0.2450, 0.3754

Monochromacy



Original Color

48.0266, 0.2751, 0.5102



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

30.0072, 0.2800, 0.4043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0266, 0.2751, 0.5102 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 101) }
```

Border

The CSS property to change the border of an element to Yxy 48.0266, 0.2751, 0.5102 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, 101) }
```

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

```
.border{ border-color:rgb(0, 212, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0266, 0.2751, 0.5102 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, 101) }
```

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

```
.background{ background-color: rgb(0, 212,  
101) }
```

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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