

Converting Colors

Yxy(50.4328, 0.2763, 0.5146)

Have a look what the booklet for
Yxy(50.4328, 0.2763, 0.5146)
contains.

Yxy(50.5653, 0.2761, 0.5140)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.5653, 0.2761, 0.5140)

Conversions

Conversions Part 1

Format	Color
Hex	00D965
RGB	0, 217, 101
RGB Percent	0%, 85%, 40%
CMY	1.0000, 0.1490, 0.6038
CMYK	1.00, 0.00, 0.53, 0.15
HSL	148°, 100%, 43%
HSV	148°, 100%, 85%
XYZ	27.1616, 50.5653, 20.6491
YIQ	138.8930, -92.0960, -82.0800

Conversions

Conversions Part 2

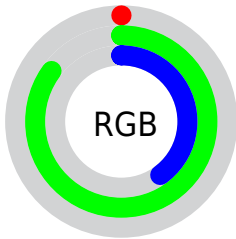
Format	Color
RYB	0, 148, 217
Decimal	55653
CIELab	76.41, -69.00, 44.43
CIELCh	76, 82.069, 147.223
Yxy	50.5653, 0.2761, 0.5140
Android (android.graphics.Color)	4278245733 (0xFF00D965)
YUV	138.8930, -18.6812, -121.8092
Hunter-Lab	71.1093, -56.2595, 32.5595

Details

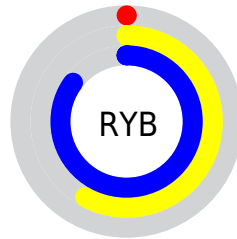
The Yxy color **50.5653, 0.2761, 0.5140** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.0126, 0.4834, 0.2437**, and the grayscale version is **25.8777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9173, 0.2840, 0.4596**, and **25.3634, 0.2878, 0.5562** is the 20% darker color. If you saturate the color by 10%, you get **50.5683, 0.2761, 0.5140**, and if you desaturate by 10%, it is **50.9792, 0.2729, 0.4952**.

Distribution



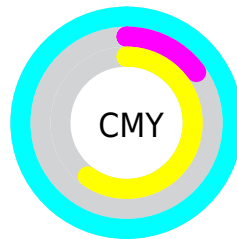
- Red (0%)
- Green (85%)
- Blue (40%)



- Red (0%)
- Yellow (58%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5653, 0.2761, 0.5140 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 50.5653, 0.2761, 0.5140 by changing the saturation by 10% instead.


 50.5653, 0.2761,
0.5140

 50.5653, 0.2761,
0.5140


388.8725, 0.2993,
0.4148

 35.8628, 0.2687,
0.5403


 91.0119, 0.2857,
0.4766


 24.3282, 0.2581,
0.5746


 117.5247, 0.2890,
0.4630

 15.5773, 0.2425,
0.6207


 148.7432, 0.2916,
0.4516

 9.2255, 0.2179,
0.6842

 185.0515, 0.2937,
0.4419

 4.8886, 0.1842,
0.8030

 226.8343, 0.2955,
0.4337

 2.1820, 0.0192,
0.9808

274.4757, 0.2969,


 0.7102, 0.0000,


0.4265


1.0000


328.3604, 0.2982,
0.4203


 0.0000, 0.0000,
0.0000


 50.5653, 0.2761,
0.5140

 50.5653, 0.2761,
0.5140


 50.5683, 0.2761,
0.5140

 50.9792, 0.2729,
0.4952

 51.6114, 0.2713,
0.4750

 52.5280, 0.2717,
0.4541

 53.7647, 0.2741,
0.4331

 55.3517, 0.2781,
0.4125

■ 57.3156, 0.2835,
0.3928

■ 59.6804, 0.2900,
0.3745

■ 62.4678, 0.2972,
0.3577

■ 65.6982, 0.3049,
0.3426

Harmonies

Analogous

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



50.5653, 0.3757, 0.5320



50.5653, 0.2761, 0.5140



50.5653, 0.1916, 0.4023

Triad

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



50.5653, 0.2761, 0.5140



50.5653, 0.1617, 0.1753



50.5653, 0.5144, 0.3267

Complementary

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



50.5653, 0.2761, 0.5140



16.0126, 0.4834, 0.2437

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.



50.5653, 0.4341, 0.2605



50.5653, 0.2761, 0.5140



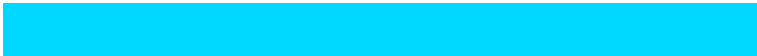
50.5653, 0.2216, 0.1779

Square

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



50.5653, 0.2761, 0.5140



50.5653, 0.1368, 0.2053



50.5653, 0.3190, 0.2078



50.5653, 0.5213, 0.3994

Rectangle

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



50.5653, 0.2761, 0.5140



50.5653, 0.1559, 0.3165



50.5653, 0.3190, 0.2078



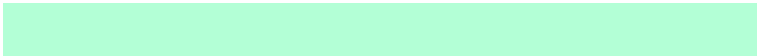
50.5653, 0.4949, 0.3038

Sweetspot

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



50.5683, 0.2761, 0.5140



85.9053, 0.2898, 0.3750



53.5750, 0.3430, 0.5659



18.0629, 0.2870, 0.3826



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.



50.5683, 0.2761, 0.5140



72.8454, 0.2766, 0.5156



54.0918, 0.2290, 0.3443



14.7066, 0.3053, 0.3418



30.6309, 0.2754, 0.5113



2.0017, 0.2667, 0.4801

Inverse Universe

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



16.0126, 0.4834, 0.2437



23.0453, 0.4853, 0.2447



14.7762, 0.6358, 0.3276



13.1673, 0.3209, 0.3166



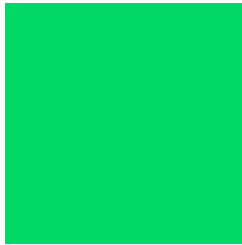
9.7143, 0.4805, 0.2420



0.6467, 0.4474, 0.2238

Previews

White Background



This preview shows how the Yxy color 50.5653, 0.2761, 0.5140 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 50.5653, 0.2761, 0.5140 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 50.5653, 0.2761, 0.5140

Background



This preview shows how black text looks on a background with the Yxy color 50.5653, 0.2761, 0.5140.



This preview shows how white text looks on a background with the Yxy color 50.5653, 0.2761, 0.5140.

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

50.5653, 0.2761, 0.5140

Protanopia

49.5614, 0.4052, 0.4424

Deuteranopia

49.3194, 0.4147, 0.4053



Tritanopia

50.2910, 0.2326, 0.3054

Trichromacy



Original Color

50.5653, 0.2761, 0.5140



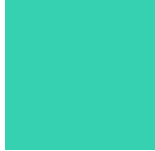
Protanomaly

46.1199, 0.3312, 0.4807



Deuteranomaly

44.6901, 0.3351, 0.4537



Tritanomaly

49.5321, 0.2455, 0.3775

Monochromacy



Original Color

50.5653, 0.2761, 0.5140



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

31.1928, 0.2797, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5653, 0.2761, 0.5140 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, 217, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 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, 217, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 101) }
```

Border

The CSS property to change the border of an element to Yxy 50.5653, 0.2761, 0.5140 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, 217, 101) }
```

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

```
.border{ border-color:rgb(0, 217, 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, 217, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 217,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5653, 0.2761, 0.5140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 101) }
```

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

```
.background{ background-color: rgb(0, 217,  
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](#).

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