

Converting Colors

$Y_{xy}(46.5781, 0.2744, 0.5080)$

Have a look what the booklet for
Yxy(46.5781, 0.2744, 0.5080)
contains.

Yxy(46.5405, 0.2744, 0.5078)	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(46.5405, 0.2744, 0.5078)

Conversions

Conversions Part 1

Format	Color
Hex	00D165
RGB	0, 209, 101
RGB Percent	0%, 82%, 40%
CMY	0.9996, 0.1804, 0.6040
CMYK	1.00, 0.00, 0.52, 0.18
HSL	149°, 100%, 41%
HSV	149°, 100%, 82%
XYZ	25.1491, 46.5405, 19.9616
YIQ	134.1970, -89.8960, -77.8960

Conversions

Conversions Part 2

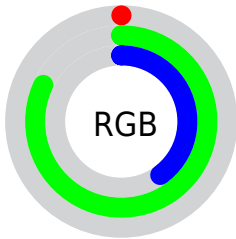
Format	Color
RYB	0, 141, 209
Decimal	53605
CIELab	73.89, -66.48, 41.37
CIELCh	74, 78.306, 148.105
Yxy	46.5405, 0.2744, 0.5078
Android (android.graphics.Color)	4278243685 (0xFF00D165)
YUV	134.1970, -16.3661, -117.6908
Hunter-Lab	68.2206, -53.5831, 30.4059

Details

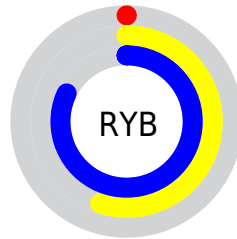
The Yxy color **46.5405, 0.2744, 0.5078** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **14.6438, 0.4902, 0.2475**, and the grayscale version is **24.0145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7367, 0.2829, 0.4600**, and **23.0128, 0.2862, 0.5504** is the 20% darker color. If you saturate the color by 10%, you get **46.5406, 0.2744, 0.5079**, and if you desaturate by 10%, it is **46.9271, 0.2714, 0.4893**.

Distribution



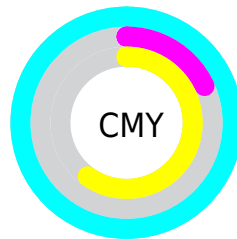
- Red (0%)
- Green (82%)
- Blue (40%)



- Red (0%)
- Yellow (55%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (18%)




- Cyan (100%)
- Magenta (18%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5405, 0.2744, 0.5078 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 46.5405, 0.2744, 0.5078 by changing the saturation by 10% instead.

 46.5405, 0.2744,
0.5078


 46.5405, 0.2744,
0.5078


372.9774, 0.2983,
0.4107


 32.6726, 0.2667,
0.5341

 85.0273, 0.2843,
0.4709

 21.8757, 0.2559,
0.5688


 110.4150, 0.2877,
0.4575

 13.7656, 0.2396,
0.6160


 140.4114, 0.2903,
0.4463

 7.9578, 0.2138,
0.6823

 175.4008, 0.2925,
0.4369

 4.0680, 0.1799,
0.8201

 215.7677, 0.2943,
0.4289

 1.7117, 0.0000,
1.0000


261.8966, 0.2959,

 0.4312, 0.0000,


0.4220

1.0000


314.1716, 0.2972,
0.4160


 0.0000, 0.0000,
0.0000


 46.5405, 0.2744,
0.5078

 46.5405, 0.2744,
0.5078


 46.5406, 0.2744,
0.5079

 46.9271, 0.2714,
0.4893

 47.5128, 0.2699,
0.4697

 48.3576, 0.2705,
0.4495

 49.4940, 0.2729,
0.4291

 50.9494, 0.2771,
0.4093

■ 52.7478, 0.2827,
0.3904

■ 54.9109, 0.2894,
0.3728

■ 57.4587, 0.2968,
0.3566

■ 60.4095, 0.3047,
0.3420

Harmonies

Analogous

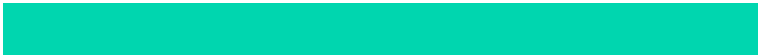
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.5405, 0.3726, 0.5292



46.5405, 0.2744, 0.5078



46.5405, 0.1918, 0.3971

Triad

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



46.5405, 0.2744, 0.5078



46.5405, 0.1651, 0.1772



46.5405, 0.5120, 0.3293

Complementary

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



46.5405, 0.2744, 0.5078



14.6438, 0.4902, 0.2475

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.



46.5405, 0.4349, 0.2635



46.5405, 0.2744, 0.5078



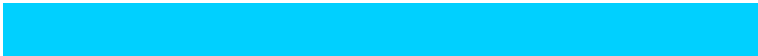
46.5405, 0.2254, 0.1806

Square

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



46.5405, 0.2744, 0.5078



46.5405, 0.1395, 0.2060



46.5405, 0.3223, 0.2108



46.5405, 0.5172, 0.4014

Rectangle

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



46.5405, 0.2744, 0.5078



46.5405, 0.1572, 0.3137



46.5405, 0.3223, 0.2108



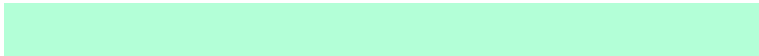
46.5405, 0.4935, 0.3065

Sweetspot

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



46.5424, 0.2744, 0.5078



85.9731, 0.2891, 0.3735



49.0161, 0.3407, 0.5676



18.0788, 0.2862, 0.3808



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.



46.5424, 0.2744, 0.5078



72.9532, 0.2750, 0.5099



49.8695, 0.2275, 0.3390



13.3000, 0.3051, 0.3413



28.7142, 0.2737, 0.5053



1.6215, 0.2641, 0.4708

Inverse Universe

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



14.6438, 0.4902, 0.2475



22.9225, 0.4927, 0.2488



13.5736, 0.6370, 0.3283



11.9089, 0.3211, 0.3170



9.0465, 0.4873, 0.2458



0.5218, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 46.5405, 0.2744, 0.5078 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 46.5405, 0.2744, 0.5078 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 46.5405, 0.2744, 0.5078

Background



This preview shows how black text looks on a background with the Yxy color 46.5405, 0.2744, 0.5078.

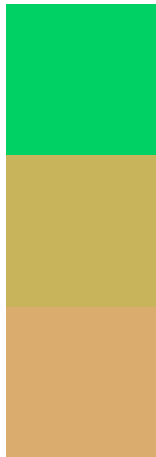


This preview shows how white text looks on a background with the Yxy color 46.5405, 0.2744, 0.5078.

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

46.5405, 0.2744, 0.5078

Protanopia

45.5400, 0.4024, 0.4388

Deuteranopia

45.5363, 0.4109, 0.4026



Tritanopia

46.4859, 0.2328, 0.3060

Trichromacy



Original Color

46.5405, 0.2744, 0.5078



Protanomaly

42.5999, 0.3289, 0.4757



Deuteranomaly

41.2484, 0.3326, 0.4476



Tritanomaly

45.4819, 0.2449, 0.3744

Monochromacy



Original Color

46.5405, 0.2744, 0.5078



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

28.8262, 0.2788, 0.4017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5405, 0.2744, 0.5078 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, 209, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 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, 209, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 101) }
```

Border

The CSS property to change the border of an element to Yxy 46.5405, 0.2744, 0.5078 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, 209, 101) }
```

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

```
.border{ border-color:rgb(0, 209, 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, 209, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5405, 0.2744, 0.5078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 101) }
```

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

```
.background{ background-color: rgb(0, 209,  
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