

Converting Colors

$Y_{xy}(46.2610, 0.2823, 0.5363)$

Have a look what the booklet for
Yxy(46.2610, 0.2823, 0.5363)
contains.

Yxy(46.2101, 0.2823, 0.5364)	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(46.2101, 0.2823, 0.5364)

Conversions

Conversions Part 1

Format	Color
Hex	00D152
RGB	0, 209, 82
RGB Percent	0%, 82%, 32%
CMY	1.0000, 0.1804, 0.6784
CMYK	1.00, 0.00, 0.61, 0.18
HSL	144°, 100%, 41%
HSV	144°, 100%, 82%
XYZ	24.3197, 46.2101, 15.6187
YIQ	132.0310, -83.7970, -83.8050

Conversions

Conversions Part 2

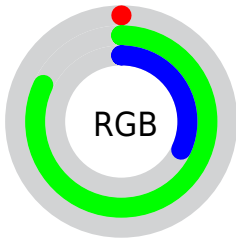
Format	Color
RYB	0, 150, 209
Decimal	53586
CIELab	73.68, -69.13, 49.93
CIELCh	74, 85.277, 144.162
Yxy	46.2101, 0.2823, 0.5364
Android (android.graphics.Color)	4278243666 (0xFF00D152)
YUV	132.0310, -24.6653, -115.7912
Hunter-Lab	67.9780, -55.1015, 33.9620

Details

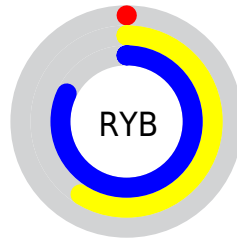
The Yxy color **46.2101, 0.2823, 0.5364** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **15.0892, 0.4522, 0.2265**, and the grayscale version is **23.2011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2123, 0.2915, 0.4846**, and **22.8616, 0.2950, 0.5819** is the 20% darker color. If you saturate the color by 10%, you get **46.2143, 0.2823, 0.5364**, and if you desaturate by 10%, it is **46.5843, 0.2791, 0.5167**.

Distribution



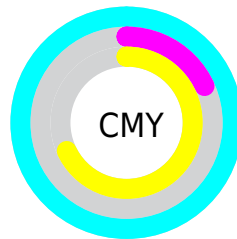
- Red (0%)
- Green (82%)
- Blue (32%)



- Red (0%)
- Yellow (59%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2101, 0.2823, 0.5364 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 46.2101, 0.2823, 0.5364 by changing the saturation by 10% instead.


 46.2101, 0.2823,
0.5364


 46.2101, 0.2823,
0.5364


371.6527, 0.3041,
0.4236


 32.4116, 0.2744,
0.5665


 84.5333, 0.2920,
0.4937


 21.6761, 0.2627,
0.6057


 109.8269, 0.2951,
0.4781


 13.6191, 0.2445,
0.6578


 139.7210, 0.2975,
0.4652

 7.8562, 0.2158,
0.7312

 174.6000, 0.2994,
0.4542

 4.0031, 0.1673,
0.8327

 214.8482, 0.3010,
0.4449

 1.6753, 0.0000,
1.0000

260.8502, 0.3022,


 0.4076, 0.0000,


0.4368


1.0000

312.9902, 0.3033,
0.4298


 0.0000, 0.0000,
0.0000


 46.2101, 0.2823,
0.5364


 46.2101, 0.2823,
0.5364


 46.2143, 0.2823,
0.5364

 46.5843, 0.2791,
0.5167

 47.1632, 0.2772,
0.4948

 48.0107, 0.2773,
0.4715

 49.1597, 0.2791,
0.4477

 50.6384, 0.2825,
0.4243

■ 52.4714, 0.2873,
0.4019

■ 54.6809, 0.2929,
0.3809

■ 57.2875, 0.2993,
0.3617

■ 60.3098, 0.3059,
0.3444

Harmonies

Analogous

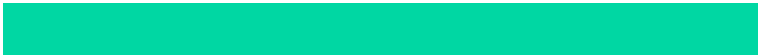
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2101, 0.3870, 0.5408



46.2101, 0.2823, 0.5364



46.2101, 0.1909, 0.4224

Triad

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



46.2101, 0.2823, 0.5364



46.2101, 0.1497, 0.1686



46.2101, 0.5226, 0.3172

Complementary

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



46.2101, 0.2823, 0.5364



15.0892, 0.4522, 0.2265

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.



46.2101, 0.4302, 0.2496



46.2101, 0.2823, 0.5364



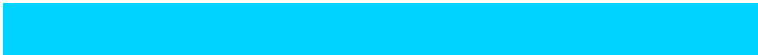
46.2101, 0.2077, 0.1686

Square

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



46.2101, 0.2823, 0.5364



46.2101, 0.1274, 0.2030



46.2101, 0.3066, 0.1969



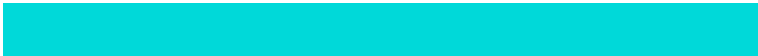
46.2101, 0.5361, 0.3918

Rectangle

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



46.2101, 0.2823, 0.5364



46.2101, 0.1512, 0.3275



46.2101, 0.3066, 0.1969



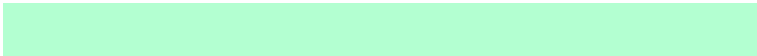
46.2101, 0.4993, 0.2937

Sweetspot

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



46.2143, 0.2823, 0.5364



85.6235, 0.2927, 0.3816



50.2636, 0.3533, 0.5577



17.9967, 0.2902, 0.3904



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.



46.2143, 0.2823, 0.5364



72.4408, 0.2829, 0.5384



49.0922, 0.2350, 0.3660



13.2820, 0.3063, 0.3435



28.5098, 0.2816, 0.5337



1.6095, 0.2712, 0.4962

Inverse Universe

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



15.0892, 0.4522, 0.2265



23.6253, 0.4541, 0.2275



13.6241, 0.6270, 0.3228



11.9272, 0.3197, 0.3150



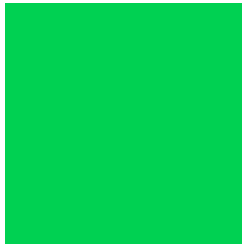
9.3226, 0.4498, 0.2251



0.5366, 0.4200, 0.2087

Previews

White Background



This preview shows how the Yxy color 46.2101, 0.2823, 0.5364 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 46.2101, 0.2823, 0.5364 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 46.2101, 0.2823, 0.5364

Background



This preview shows how black text looks on a background with the Yxy color 46.2101, 0.2823, 0.5364.



This preview shows how white text looks on a background with the Yxy color 46.2101, 0.2823, 0.5364.

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

46.2101, 0.2823, 0.5364

Protanopia

45.4029, 0.4150, 0.4557

Deuteranopia

45.1318, 0.4271, 0.4186



Tritanopia

46.0723, 0.2337, 0.3059

Trichromacy



Original Color

46.2101, 0.2823, 0.5364



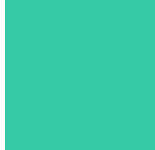
Protanomaly

42.2954, 0.3396, 0.5007



Deuteranomaly

40.9946, 0.3455, 0.4726



Tritanomaly

45.2468, 0.2487, 0.3861

Monochromacy



Original Color

46.2101, 0.2823, 0.5364



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

28.2413, 0.2839, 0.4162

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2101, 0.2823, 0.5364 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 82) }
```

Border

The CSS property to change the border of an element to Yxy 46.2101, 0.2823, 0.5364 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, 82) }
```

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

```
.border{ border-color:rgb(0, 209, 82) }
```

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, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 82)  
}
```


Background

The CSS property to change the background color of an element to Yxy 46.2101, 0.2823, 0.5364 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, 82) }
```

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

```
.background{ background-color: rgb(0, 209,  
82) }
```

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