

Converting Colors

Yxy(46.8084, 0.2931, 0.5608)

Have a look what the booklet for
Yxy(46.8084, 0.2931, 0.5608)
contains.

Yxy(46.6913, 0.2931, 0.5610)	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(46.6913, 0.2931, 0.5610)

Conversions

Conversions Part 1

Format	Color
Hex	1DD23D
RGB	29, 210, 61
RGB Percent	11%, 82%, 24%
CMY	0.8865, 0.1764, 0.7607
CMYK	0.86, 0.00, 0.71, 0.18
HSL	131°, 76%, 47%
HSV	131°, 86%, 82%
XYZ	24.3943, 46.6913, 12.1431
YIQ	138.8950, -60.0470, -84.7110

Conversions

Conversions Part 2

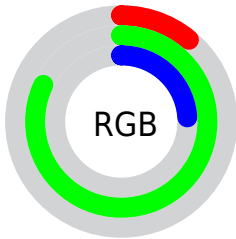
Format	Color
RYB	29, 183, 210
Decimal	1954365
CIELab	73.99, -70.15, 58.89
CIELCh	74, 91.588, 139.985
Yxy	46.6913, 0.2931, 0.5610
Android (android.graphics.Color)	4280144445 (0xFF1DD23D)
YUV	138.8950, -38.4022, -96.3779
Hunter-Lab	68.3310, -55.8544, 37.2953

Details

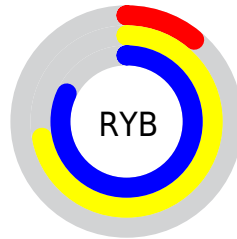
The Yxy color **46.6913, 0.2931, 0.5610** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **17.7889, 0.3632, 0.1843**, and the grayscale version is **25.9376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2257, 0.3026, 0.5060**, and **23.1112, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.3270, 0.2950, 0.5792**, and if you desaturate by 10%, it is **47.3266, 0.2922, 0.5371**.

Distribution



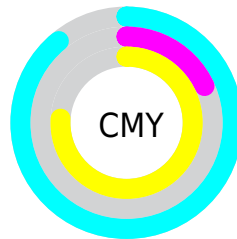
- Red (11%)
- Green (82%)
- Blue (24%)



- Red (11%)
- Yellow (72%)
- Blue (82%)



- Cyan (86%)
- Magenta (0%)
- Yellow (71%)
- Black (18%)




- Cyan (89%)
- Magenta (18%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.6913, 0.2931, 0.5610 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 46.6913, 0.2931, 0.5610 by changing the saturation by 10% instead.

 46.6913, 0.2931,
0.5610


 46.6913, 0.2931,
0.5610


373.5810, 0.3117,
0.4358


 32.7917, 0.2851,
0.5934


 85.2526, 0.3023,
0.5142


 21.9669, 0.2727,
0.6346


 110.6832, 0.3050,
0.4969


 13.8326, 0.2528,
0.6874


 140.7261, 0.3070,
0.4825

 8.0043, 0.2258,
0.7742

 175.7659, 0.3085,
0.4702

 4.0977, 0.1654,
0.8346

 216.1868, 0.3096,
0.4598

 1.7284, 0.0000,
1.0000

262.3734, 0.3105,

 0.4419, 0.0000,

0.4507


1.0000

314.7100, 0.3112,
0.4428

 0.0000, 0.0000,
0.0000

 46.6913, 0.2931,
0.5610


 46.6913, 0.2931,
0.5610


 46.3270, 0.2950,
0.5792


 47.3266, 0.2922,
0.5371

 46.2308, 0.2957,
0.5846

 48.2697, 0.2925,
0.5091

 49.5567, 0.2939,
0.4787

 51.2175, 0.2963,
0.4478

 53.2783, 0.2994,
0.4179

■ 55.7633, 0.3029,
0.3899

■ 58.6946, 0.3066,
0.3645

■ 62.0926, 0.3104,
0.3418

■ 65.9767, 0.3141,
0.3218

Harmonies

Analogous

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



46.6913, 0.4025, 0.5451



46.6913, 0.2931, 0.5610



46.6913, 0.1939, 0.4512

Triad

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



46.6913, 0.2931, 0.5610



46.6913, 0.1364, 0.1628



46.6913, 0.5274, 0.3042

Complementary

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



46.6913, 0.2931, 0.5610



17.7889, 0.3632, 0.1843

Split Complementary

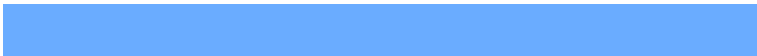
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.6913, 0.4198, 0.2359



46.6913, 0.2931, 0.5610



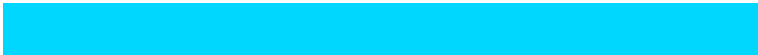
46.6913, 0.1907, 0.1589

Square

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



46.6913, 0.2931, 0.5610



46.6913, 0.1180, 0.2035



46.6913, 0.2885, 0.1844



46.6913, 0.5519, 0.3800

Rectangle

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



46.6913, 0.2931, 0.5610



46.6913, 0.1488, 0.3462



46.6913, 0.2885, 0.1844



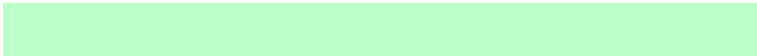
46.6913, 0.4989, 0.2803

Sweetspot

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



46.6932, 0.2931, 0.5610



86.4916, 0.3029, 0.3901



55.8668, 0.3907, 0.5190



18.2075, 0.3016, 0.3996



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.



46.6932, 0.2931, 0.5610



71.7109, 0.2961, 0.5860



48.5468, 0.2544, 0.4254



13.2400, 0.3092, 0.3487



28.2090, 0.2952, 0.5827



1.5879, 0.2863, 0.5506

Inverse Universe

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



17.7889, 0.3632, 0.1843



25.9039, 0.3727, 0.1827



15.3039, 0.5234, 0.2778



11.9716, 0.3164, 0.3101



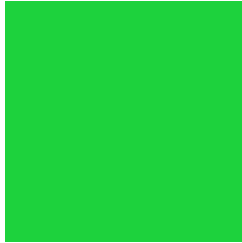
10.2066, 0.3711, 0.1818



0.5803, 0.3603, 0.1759

Previews

White Background



This preview shows how the Yxy color 46.6913, 0.2931, 0.5610 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 46.6913, 0.2931, 0.5610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

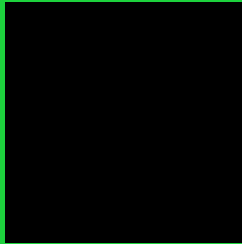
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6913, 0.2931, 0.5610

Background



This preview shows how black text looks on a background with the Yxy color 46.6913, 0.2931, 0.5610.



This preview shows how white text looks on a background with the Yxy color 46.6913, 0.2931, 0.5610.

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

46.6913, 0.2931, 0.5610

Protanopia

45.8613, 0.4262, 0.4708

Deuteranopia

45.4811, 0.4434, 0.4330



Tritanopia

46.3572, 0.2360, 0.3061

Trichromacy



Original Color

46.6913, 0.2931, 0.5610



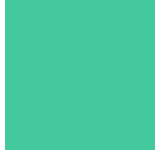
Protanomaly

43.4738, 0.3587, 0.5162



Deuteranomaly

41.9124, 0.3685, 0.4889



Tritanomaly

45.4009, 0.2573, 0.3989

Monochromacy



Original Color

46.6913, 0.2931, 0.5610



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

30.7106, 0.2981, 0.4264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6913, 0.2931, 0.5610 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(29, 210, 61)` looks like.

```
.text, #text, p{  
    color:rgb(29, 210, 61)  
}
```

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(29, 210, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 210, 61) }
```

Border

The CSS property to change the border of an element to Yxy 46.6913, 0.2931, 0.5610 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(29, 210, 61) }
```

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

```
.border{ border-color:rgb(29, 210, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 210, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 210, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 210, 61);  
box-shadow:4px 4px 4px 4px rgb(29, 210,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6913, 0.2931, 0.5610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 210, 61) }
```

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

```
.background{ background-color: rgb(29, 210,  
61) }
```

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