

Converting Colors

$Y_{xy}(46.8081, 0.3029, 0.5977)$

Have a look what the booklet for
Yxy(46.8081, 0.3029, 0.5977)
contains.

Yxy(46.8081, 0.3029, 0.5977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.8081, 0.3029, 0.5977)

Conversions

Conversions Part 1

Format	Color
Hex	1AD300
RGB	26, 211, 0
RGB Percent	10%, 83%, 0%
CMY	0.8978, 0.1725, 0.9999
CMYK	0.88, 0.00, 1.00, 0.17
HSL	113°, 100%, 41%
HSV	113°, 100%, 83%
XYZ	23.7212, 46.8081, 7.7844
YIQ	131.6310, -42.5290, -104.8410

Conversions

Conversions Part 2

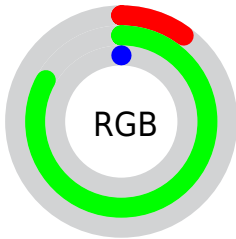
Format	Color
RYB	0, 211, 185
Decimal	1757952
CIELab	74.07, -73.42, 72.28
CIELCh	74, 103.027, 135.448
Yxy	46.8081, 0.3029, 0.5977
Android (android.graphics.Color)	4279948032 (0xFF1AD300)
YUV	131.6310, -64.8941, -92.6384
Hunter-Lab	68.4164, -57.8396, 41.1455

Details

The Yxy color **46.8081, 0.3029, 0.5977** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **15.0137, 0.2897, 0.1370**, and the grayscale version is **23.1914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6552, 0.3147, 0.5394**, and **23.4427, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.8098, 0.3029, 0.5977**, and if you desaturate by 10%, it is **47.1920, 0.3053, 0.5883**.

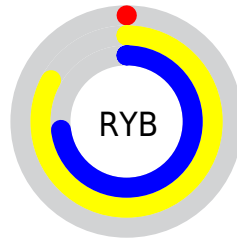
Distribution



Red (10%)

Green (83%)

Blue (0%)



Red (0%)

Yellow (83%)

Blue (73%)

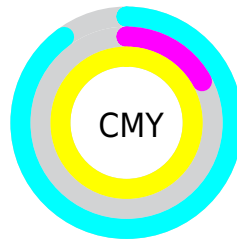


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (17%)



Cyan (90%)


Magenta (17%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8081, 0.3029, 0.5977 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 46.8081, 0.3029, 0.5977 by changing the saturation by 10% instead.

 46.8081, 0.3029,
0.5977


 46.8081, 0.3029,
0.5977


374.0480, 0.3211,
0.4551


 32.8840, 0.2932,
0.6323


 85.4271, 0.3132,
0.5457

 22.0376, 0.2780,
0.6744


 110.8908, 0.3160,
0.5261


 13.8845, 0.2555,
0.7309


 140.9698, 0.3178,
0.5095

 8.0404, 0.2145,
0.7855

 176.0484, 0.3191,
0.4954

 4.1208, 0.1523,
0.8477

 216.5112, 0.3199,
0.4832

 1.7414, 0.0000,
1.0000

 262.7425, 0.3205,


 0.4502, 0.0000,


0.4726

1.0000


315.1266, 0.3209,
0.4633


 0.0000, 0.0000,
0.0000


 46.8081, 0.3029,
0.5977


 46.8081, 0.3029,
0.5977


 46.8098, 0.3029,
0.5977

 47.1920, 0.3053,
0.5883

 47.8167, 0.3080,
0.5715

 48.7255, 0.3103,
0.5471

 49.9479, 0.3122,
0.5168

 51.5094, 0.3134,
0.4832

■ 53.4331, 0.3141,
0.4485

■ 55.7398, 0.3142,
0.4147

■ 58.4489, 0.3140,
0.3831

■ 61.5784, 0.3135,
0.3545

Harmonies

Analogous

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



46.8081, 0.4206, 0.5513



46.8081, 0.3029, 0.5977



46.8081, 0.1931, 0.4950

Triad

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



46.8081, 0.3029, 0.5977



46.8081, 0.1172, 0.1516



46.8081, 0.5394, 0.2865

Complementary

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



46.8081, 0.3029, 0.5977



15.0137, 0.2897, 0.1370

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.



46.8081, 0.4088, 0.2166



46.8081, 0.3029, 0.5977



46.8081, 0.1675, 0.1436

Square

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



46.8081, 0.3029, 0.5977



46.8081, 0.1026, 0.2004



46.8081, 0.2653, 0.1660



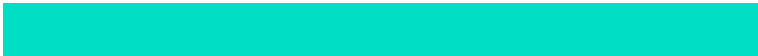
46.8081, 0.5777, 0.3642

Rectangle

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



46.8081, 0.3029, 0.5977



46.8081, 0.1409, 0.3722



46.8081, 0.2653, 0.1660



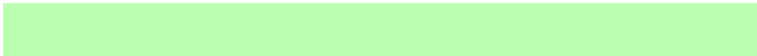
46.8081, 0.5032, 0.2620

Sweetspot

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



46.8100, 0.3029, 0.5977



85.4383, 0.3142, 0.4158



47.6630, 0.4452, 0.4847



17.9503, 0.3142, 0.4300



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.



46.8100, 0.3029, 0.5977



71.8186, 0.3026, 0.5980



47.1310, 0.2844, 0.5438



13.2752, 0.3134, 0.3529



28.2731, 0.3034, 0.5973



1.6046, 0.3123, 0.5902

Inverse Universe

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



15.0137, 0.2897, 0.1370



22.9926, 0.2894, 0.1368



15.5608, 0.4418, 0.2208



11.9320, 0.3118, 0.3060



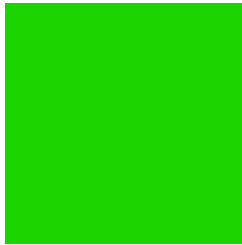
9.0906, 0.2902, 0.1372



0.5296, 0.2962, 0.1405

Previews

White Background



This preview shows how the Yxy color 46.8081, 0.3029, 0.5977 looks on a white background.

Color Contrast Check

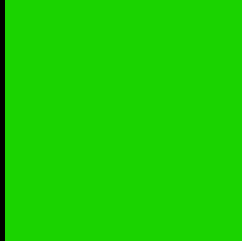
Large Text (above 18pt) WCAG AA × Fail

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 46.8081, 0.3029, 0.5977 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 46.8081, 0.3029, 0.5977

Background



This preview shows how black text looks on a background with the Yxy color 46.8081, 0.3029, 0.5977.



This preview shows how white text looks on a background with the Yxy color 46.8081, 0.3029, 0.5977.

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

46.8081, 0.3029, 0.5977

Protanopia

45.8851, 0.4408, 0.4882

Deuteranopia

45.6540, 0.4612, 0.4506



Tritanopia

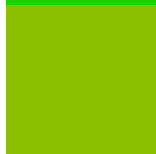
46.4575, 0.2368, 0.3061

Trichromacy



Original Color

46.8081, 0.3029, 0.5977



Protanomaly

43.1882, 0.3712, 0.5435



Deuteranomaly

42.0765, 0.3849, 0.5206



Tritanomaly

44.7158, 0.2693, 0.4367

Monochromacy



Original Color

46.8081, 0.3029, 0.5977



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

28.4570, 0.3133, 0.4727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8081, 0.3029, 0.5977 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(26, 211, 0)` looks like.

```
.text, #text, p{  
    color:rgb(26, 211, 0)  
}
```

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(26, 211, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 211, 0) }
```

Border

The CSS property to change the border of an element to Yxy 46.8081, 0.3029, 0.5977 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(26, 211, 0) }
```

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

```
.border{ border-color:rgb(26, 211, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 211, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 211, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 211, 0);  
box-shadow:4px 4px 4px 4px rgb(26, 211, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 46.8081, 0.3029, 0.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 211, 0) }
```

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

```
.background{ background-color: rgb(26, 211,  
0) }
```

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