

Converting Colors

$Y_{xy}(46.1812, 0.3131, 0.5870)$

Have a look what the booklet for
Yxy(46.1812, 0.3131, 0.5870)
contains.

Yxy(46.1882, 0.3132, 0.5868)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.1882, 0.3132, 0.5868)

Conversions

Conversions Part 1

Format	Color
Hex	3FD009
RGB	63, 208, 9
RGB Percent	25%, 82%, 4%
CMY	0.7531, 0.1843, 0.9650
CMYK	0.70, 0.00, 0.96, 0.18
HSL	104°, 92%, 43%
HSV	104°, 96%, 82%
XYZ	24.6526, 46.1882, 7.8712
YIQ	141.9590, -22.5410, -92.6290

Conversions

Conversions Part 2

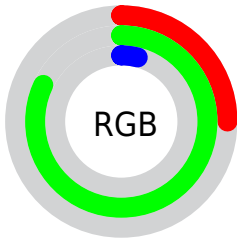
Format	Color
RYB	9, 208, 154
Decimal	4182025
CIELab	73.67, -67.63, 71.28
CIELCh	74, 98.261, 133.493
Yxy	46.1882, 0.3132, 0.5868
Android (android.graphics.Color)	4282372105 (0xFF3FD009)
YUV	141.9590, -65.5488, -69.2470
Hunter-Lab	67.9619, -54.1840, 40.7065

Details

The Yxy color **46.1882, 0.3132, 0.5868** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **11.6146, 0.2556, 0.1197**, and the grayscale version is **27.2969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0012, 0.3230, 0.5319**, and **22.4565, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.9694, 0.3113, 0.5910**, and if you desaturate by 10%, it is **46.8320, 0.3177, 0.5735**.

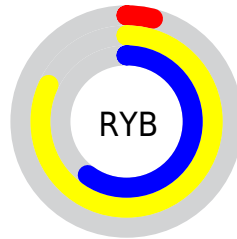
Distribution



Red (25%)

Green (82%)

Blue (4%)



Red (4%)

Yellow (82%)

Blue (60%)

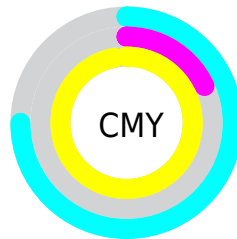


Cyan (70%)

Magenta (0%)

Yellow (96%)

Black (18%)



Cyan (75%)


Magenta (18%)


Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1882, 0.3132, 0.5868 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 46.1882, 0.3132, 0.5868 by changing the saturation by 10% instead.

 46.1882, 0.3132,
0.5868


 46.1882, 0.3132,
0.5868


371.5648, 0.3256,
0.4506

 32.3944, 0.3051,
0.6198


 84.5006, 0.3213,
0.5372


 21.6629, 0.2917,
0.6600


 109.7879, 0.3233,
0.5185


 13.6094, 0.2716,
0.7137


 139.6752, 0.3244,
0.5026

 7.8495, 0.2333,
0.7667

 174.5468, 0.3251,
0.4891

 3.9988, 0.1735,
0.8265

 214.7872, 0.3255,
0.4774

 1.6729, 0.0000,
1.0000

 260.7807, 0.3257,

 0.4060, 0.0000,

0.4673

1.0000

312.9118, 0.3257,
0.4584

■ 0.0000, 0.0000,
0.0000

■ 46.1882, 0.3132,
0.5868

■ 46.1882, 0.3132,
0.5868

■ 45.9694, 0.3113,
0.5910

■ 46.8320, 0.3177,
0.5735

■ 47.6911, 0.3212,
0.5533

■ 48.7889, 0.3234,
0.5270

■ 50.1436, 0.3242,
0.4965

■ 51.7714, 0.3238,
0.4639

■ 53.6874, 0.3224,
0.4311

■ 55.9051, 0.3202,
0.3995

■ 58.4373, 0.3175,
0.3700

■ 61.2961, 0.3145,
0.3431

Harmonies

Analogous

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



46.1882, 0.4272, 0.5400



46.1882, 0.3132, 0.5868



46.1882, 0.2045, 0.4975

Triad

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



46.1882, 0.3132, 0.5868



46.1882, 0.1205, 0.1588



46.1882, 0.5244, 0.2844

Complementary

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



46.1882, 0.3132, 0.5868



11.6146, 0.2556, 0.1197

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.



46.1882, 0.3958, 0.2164



46.1882, 0.3132, 0.5868



46.1882, 0.1676, 0.1483

Square

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



46.1882, 0.3132, 0.5868



46.1882, 0.1086, 0.2105



46.1882, 0.2597, 0.1684



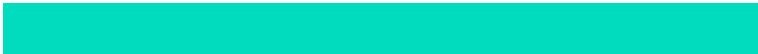
46.1882, 0.5695, 0.3606

Rectangle

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



46.1882, 0.3132, 0.5868



46.1882, 0.1510, 0.3824



46.1882, 0.2597, 0.1684



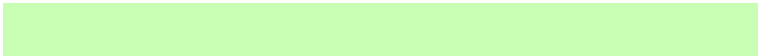
46.1882, 0.4878, 0.2604

Sweetspot

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



46.1901, 0.3132, 0.5868



87.2928, 0.3210, 0.4108



35.7566, 0.4762, 0.4574



18.3631, 0.3220, 0.4245



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.



46.1901, 0.3132, 0.5868



72.7932, 0.3107, 0.5915



45.4212, 0.2929, 0.5713



13.3593, 0.3156, 0.3527



28.6897, 0.3122, 0.5903



1.6437, 0.3260, 0.5793

Inverse Universe

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



11.6146, 0.2556, 0.1197



17.6318, 0.2518, 0.1161



16.3164, 0.3817, 0.1894



11.8410, 0.3095, 0.3058



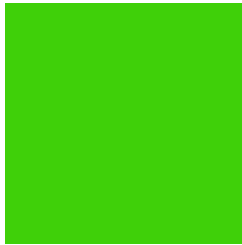
7.0210, 0.2536, 0.1171



0.4306, 0.2664, 0.1241

Previews

White Background



This preview shows how the Yxy color 46.1882, 0.3132, 0.5868 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 46.1882, 0.3132, 0.5868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

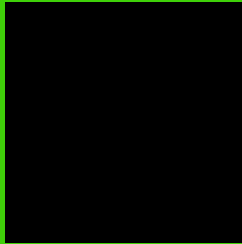
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1882, 0.3132, 0.5868

Background



This preview shows how black text looks on a background with the Yxy color 46.1882, 0.3132, 0.5868.



This preview shows how white text looks on a background with the Yxy color 46.1882, 0.3132, 0.5868.

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

46.1882, 0.3132, 0.5868

Protanopia

45.1991, 0.4400, 0.4889

Deuteranopia

45.1077, 0.4618, 0.4507



Tritanopia

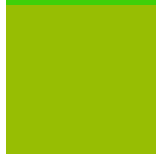
45.7466, 0.2437, 0.3062

Trichromacy



Original Color

46.1882, 0.3132, 0.5868



Protanomaly

43.4128, 0.3831, 0.5332



Deuteranomaly

42.6008, 0.3980, 0.5085



Tritanomaly

44.3394, 0.2787, 0.4283

Monochromacy



Original Color

46.1882, 0.3132, 0.5868



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.5913, 0.3230, 0.4542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1882, 0.3132, 0.5868 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(63, 208, 9)` looks like.

```
.text, #text, p{  
    color:rgb(63, 208, 9)  
}
```

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(63, 208, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 208, 9) }
```

Border

The CSS property to change the border of an element to Yxy 46.1882, 0.3132, 0.5868 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(63, 208, 9) }
```

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

```
.border{ border-color:rgb(63, 208, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 208, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 208, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 208, 9);  
box-shadow:4px 4px 4px 4px rgb(63, 208, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 46.1882, 0.3132, 0.5868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 208, 9) }
```

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

```
.background{ background-color: rgb(63, 208,  
9) }
```

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