

# Converting Colors

$Yxy(46.0720, 0.2924, 0.5641)$

Have a look what the booklet for  
Yxy(46.0720, 0.2924, 0.5641)  
contains.

<b>Yxy(46.0654, 0.2922, 0.5637)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(46.0654, 0.2922, 0.5637)**

# Conversions

## Conversions Part 1

Format	Color
Hex	14D13B
RGB	20, 209, 59
RGB Percent	8%, 82%, 23%
CMY	0.9217, 0.1804, 0.7685
CMYK	0.90, 0.00, 0.72, 0.18
HSL	132°, 83%, 45%
HSV	132°, 90%, 82%
XYZ	23.8785, 46.0654, 11.7758
YIQ	135.3890, -64.4940, -86.7180

# Conversions

## Conversions Part 2

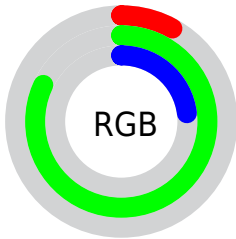
Format	Color
<a href="#">RYB</a>	<a href="#">20, 177, 209</a>
Decimal	<a href="#">1364283</a>
CIELab	<a href="#">73.59, -70.66, 59.17</a>
CIELCh	<a href="#">74, 92.165, 140.056</a>
Yxy	<a href="#">46.0654, 0.2922, 0.5637</a>
Android (android.graphics.Color)	<a href="#">4279554363</a> ( <a href="#">0xFF14D13B</a> )
YUV	<a href="#">135.3890, -37.6598, -101.1962</a>
Hunter-Lab	<a href="#">67.8715, -55.9754, 37.2231</a>

# Details

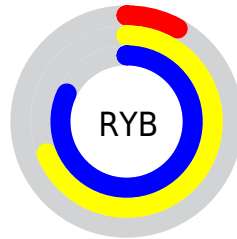
The Yxy color **46.0654, 0.2922, 0.5637** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.9540, 0.3745, 0.1879**, and the grayscale version is **24.5393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9861, 0.3021, 0.5090**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.7788, 0.2944, 0.5799**, and if you desaturate by 10%, it is **46.5879, 0.2906, 0.5415**.

# Distribution



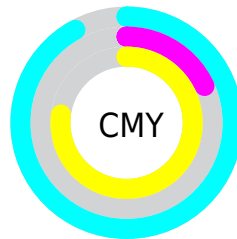
- Red (8%)
- Green (82%)
- Blue (23%)



- Red (8%)
- Yellow (69%)
- Blue (82%)



- Cyan (90%)
- Magenta (0%)
- Yellow (72%)
- Black (18%)




- Cyan (92%)
- Magenta (18%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0654, 0.2922, 0.5637 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 46.0654, 0.2922, 0.5637 by changing the saturation by 10% instead.





 46.0654, 0.2922,  
0.5637

 46.0654, 0.2922,  
0.5637


371.0715, 0.3115,  
0.4368

 32.2974, 0.2839,  
0.5966


 84.3169, 0.3017,  
0.5162


 21.5888, 0.2711,  
0.6384


 109.5692, 0.3045,  
0.4987

 13.5551, 0.2505,  
0.6920


 139.4183, 0.3066,  
0.4840

 7.8119, 0.2219,  
0.7781

 174.2488, 0.3081,  
0.4716

 3.9748, 0.1600,  
0.8400

 214.4450, 0.3093,  
0.4610

 1.6595, 0.0000,  
1.0000

260.3912, 0.3102,

 0.3972, 0.0000,

0.4518

1.0000


312.4719, 0.3110,  
0.4438

 0.0000, 0.0000,  
0.0000


 46.0654, 0.2922,  
0.5637


 46.0654, 0.2922,  
0.5637


 45.7788, 0.2944,  
0.5799

 46.5879, 0.2906,  
0.5415

 47.3954, 0.2903,  
0.5151

 48.5258, 0.2913,  
0.4860

 50.0095, 0.2935,  
0.4560

 51.8735, 0.2965,  
0.4266

■ 54.1419, 0.3002,  
0.3987

■ 56.8371, 0.3042,  
0.3732

■ 59.9795, 0.3084,  
0.3502

■ 63.5884, 0.3125,  
0.3299

# Harmonies

## Analogous

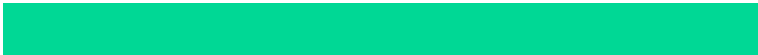
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0654, 0.4024, 0.5470



46.0654, 0.2922, 0.5637



46.0654, 0.1924, 0.4523

# Triad

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



46.0654, 0.2922, 0.5637



46.0654, 0.1352, 0.1614



46.0654, 0.5298, 0.3038

# Complementary

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



46.0654, 0.2922, 0.5637



16.9540, 0.3745, 0.1879

# 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.



46.0654, 0.4211, 0.2352



46.0654, 0.2922, 0.5637



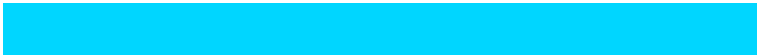
46.0654, 0.1898, 0.1577

# Square

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



46.0654, 0.2922, 0.5637



46.0654, 0.1166, 0.2021



46.0654, 0.2885, 0.1833



46.0654, 0.5539, 0.3800

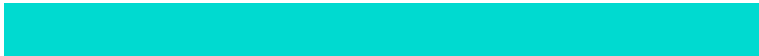


# Rectangle

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



46.0654, 0.2922, 0.5637



46.0654, 0.1472, 0.3459



46.0654, 0.2885, 0.1833



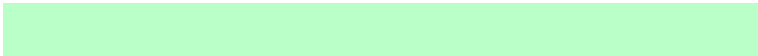
46.0654, 0.5011, 0.2799

# Sweetspot

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



46.0673, 0.2922, 0.5637



86.1660, 0.3014, 0.3904



54.3330, 0.3855, 0.5267



18.1487, 0.3000, 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.



46.0673, 0.2922, 0.5637



71.7745, 0.2948, 0.5814



48.0276, 0.2516, 0.4199



13.2457, 0.3088, 0.3480



28.2363, 0.2939, 0.5779



1.5906, 0.2842, 0.5432



# Inverse Universe

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



16.9540, 0.3745, 0.1879



25.5375, 0.3827, 0.1882



14.5859, 0.5490, 0.2873



11.9654, 0.3169, 0.3107



10.0652, 0.3808, 0.1871

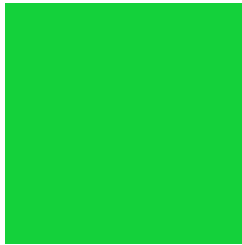


0.5736, 0.3678, 0.1800



# Previews

## White Background



This preview shows how the Yxy color 46.0654, 0.2922, 0.5637 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 46.0654, 0.2922, 0.5637 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 46.0654, 0.2922, 0.5637**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0654, 0.2922, 0.5637.



This preview shows how white text looks on a background with the Yxy color 46.0654, 0.2922, 0.5637.

# 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

46.0654, 0.2922, 0.5637

### Protanopia

44.8967, 0.4280, 0.4709

### Deuteranopia

44.9185, 0.4446, 0.4341



## Tritanopia

45.7596, 0.2354, 0.3059

# Trichromacy



## Original Color

46.0654, 0.2922, 0.5637



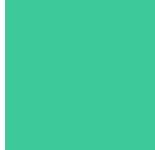
## Protanomaly

42.2441, 0.3570, 0.5188



## Deuteranomaly

41.0879, 0.3664, 0.4923



## Tritanomaly

44.7656, 0.2562, 0.3995

# Monochromacy



## Original Color

46.0654, 0.2922, 0.5637



## Achromatopsia

24.2281, 0.3127, 0.3290



## Achromatomaly

29.2294, 0.2962, 0.4310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0654, 0.2922, 0.5637 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(20, 209, 59)` looks like.

```
.text, #text, p{  
    color:rgb(20, 209, 59)  
}
```

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(20, 209, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 209, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0654, 0.2922, 0.5637 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(20, 209, 59) }
```

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

```
.border{ border-color:rgb(20, 209, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 209, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 209, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 209, 59);  
box-shadow:4px 4px 4px 4px rgb(20, 209,  
59) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0654, 0.2922, 0.5637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 209, 59) }
```

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

```
.background{ background-color: rgb(20, 209,  
59) }
```

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