

# Converting Colors

$Yxy(46.2943, 0.3366, 0.4376)$

Have a look what the booklet for  
Yxy(46.2943, 0.3366, 0.4376)  
contains.

<b>Yxy(46.2943, 0.3366, 0.4376)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(46.2943, 0.3366, 0.4376)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9AC175
RGB	154, 193, 117
RGB Percent	60%, 76%, 46%
CMY	0.3960, 0.2431, 0.5412
CMYK	0.20, 0.00, 0.39, 0.24
HSL	91°, 38%, 61%
HSV	91°, 39%, 76%
XYZ	35.6094, 46.2943, 23.8877
YIQ	172.6750, 1.1520, -31.9040

# Conversions

## Conversions Part 2

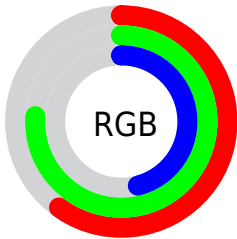
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 193, 156
Decimal	10142069
CIELab	73.74, -26.34, 34.09
CIELCh	74, 43.085, 127.693
Yxy	46.2943, 0.3366, 0.4376
Android (android.graphics.Color)	4288332149 (0xFF9AC175)
YUV	172.6750, -27.4478, -16.3780
Hunter-Lab	68.0399, -25.6501, 26.8122

# Details

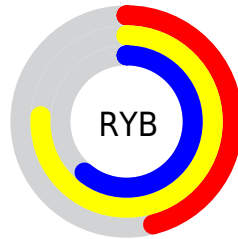
The Yxy color **46.2943, 0.3366, 0.4376** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **23.6391, 0.2781, 0.2214**, and the grayscale version is **41.7592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8288, 0.3330, 0.4171**, and **21.6372, 0.3400, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **44.9563, 0.3409, 0.4675**, and if you desaturate by 10%, it is **47.8101, 0.3312, 0.4079**.

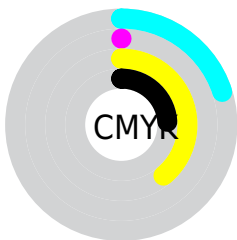
# Distribution



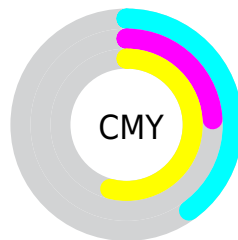
- Red (60%)
- Green (76%)
- Blue (46%)



- Red (46%)
- Yellow (76%)
- Blue (61%)



- Cyan (20%)
- Magenta (0%)
- Yellow (39%)
- Black (24%)




- Cyan (40%)
- Magenta (24%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.2943, 0.3366, 0.4376 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 46.2943, 0.3366, 0.4376 by changing the saturation by 10% instead.





 46.2943, 0.3366,  
0.4376


 46.2943, 0.3366,  
0.4376


371.9906, 0.3265,  
0.3811

 32.4781, 0.3384,  
0.4522


 84.6593, 0.3334,  
0.4166

 21.7270, 0.3401,  
0.4712


 109.9769, 0.3321,  
0.4089

 13.6564, 0.3415,  
0.4966


 139.8970, 0.3309,  
0.4024

 7.8821, 0.3413,  
0.5321

174.8042, 0.3298,  
0.3968

 4.0196, 0.3398,  
0.5901

215.0827, 0.3288,  
0.3921

 1.6845, 0.3226,  
0.6774

261.1170, 0.3280,

 0.4136, 0.0000,

0.3879

1.0000

313.2915, 0.3272,  
0.3843

0.0000, 0.0000,  
0.0000

46.2943, 0.3366,  
0.4376

46.2943, 0.3366,  
0.4376

44.9563, 0.3409,  
0.4675

47.8101, 0.3312,  
0.4079

43.7823, 0.3437,  
0.4962

49.5047, 0.3252,  
0.3792

42.7658, 0.3445,  
0.5221


51.3869, 0.3188,  
0.3523


41.8976, 0.3433,  
0.5440


53.4630, 0.3123,  
0.3275

41.1667, 0.3399,  
0.5605

55.7390, 0.3060,  
0.3050

 40.5554, 0.3350,  
0.5718

 58.2206, 0.2998,  
0.2847

 40.5201, 0.3347,  
0.5725

 60.9132, 0.2940,  
0.2666

 62.7204, 0.2993,  
0.2652

 64.4357, 0.3067,  
0.2666

# Harmonies

## Analogous

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



46.2943, 0.3913, 0.4307



46.2943, 0.3366, 0.4376



46.2943, 0.2783, 0.4057

# Triad

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



46.2943, 0.3366, 0.4376



46.2943, 0.2087, 0.2500



46.2943, 0.3976, 0.3055

# Complementary

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



46.2943, 0.3366, 0.4376



23.6391, 0.2781, 0.2214

# 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.



46.2943, 0.3404, 0.2668



46.2943, 0.3366, 0.4376



46.2943, 0.2335, 0.2350

# Square

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



46.2943, 0.3366, 0.4376



46.2943, 0.2079, 0.2885



46.2943, 0.2800, 0.2417



46.2943, 0.4302, 0.3513



# Rectangle

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



46.2943, 0.3366, 0.4376



46.2943, 0.2453, 0.3677



46.2943, 0.2800, 0.2417



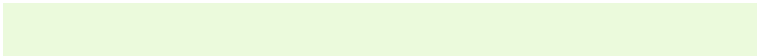
46.2943, 0.3803, 0.2915

# Sweetspot

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



46.2963, 0.3366, 0.4376



91.0519, 0.3206, 0.3597



36.0647, 0.3894, 0.3803



19.4372, 0.3214, 0.3632



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2963, 0.3366, 0.4376



80.8897, 0.3403, 0.4626



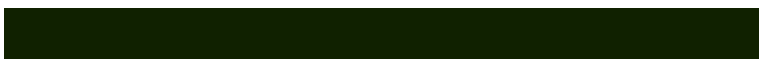
43.2066, 0.3071, 0.4481



11.4942, 0.3188, 0.3523



26.9976, 0.3356, 0.5718



1.2075, 0.3531, 0.5579



# Inverse Universe

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



23.6391, 0.2781, 0.2214



34.8172, 0.2684, 0.1969



27.9104, 0.3172, 0.2331



9.9963, 0.3062, 0.3058



4.3729, 0.2059, 0.0908



0.2299, 0.2303, 0.1042



# Previews

## White Background



This preview shows how the Yxy color 46.2943, 0.3366, 0.4376 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 46.2943, 0.3366, 0.4376 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 46.2943, 0.3366, 0.4376**

## Background



This preview shows how black text looks on a background with the Yxy color 46.2943, 0.3366, 0.4376.



This preview shows how white text looks on a background with the Yxy color 46.2943, 0.3366, 0.4376.

# 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

46.2943, 0.3366, 0.4376

### Protanopia

46.0879, 0.3842, 0.4169

### Deuteranopia

45.8912, 0.3982, 0.3907



## Tritanopia

46.0512, 0.2877, 0.3092

# Trichromacy



## Original Color

46.2943, 0.3366, 0.4376

## Protanomaly

45.7366, 0.3657, 0.4241

## Deuteranomaly

45.3360, 0.3745, 0.4071

## Tritanomaly

46.0866, 0.3058, 0.3538

# Monochromacy



## Original Color

46.2943, 0.3366, 0.4376

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

43.0494, 0.3222, 0.3670

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.2943, 0.3366, 0.4376 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(154, 193, 117)` looks like.

```
.text, #text, p{  
    color:rgb(154, 193, 117)  
}
```

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(154, 193, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 193, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 46.2943, 0.3366, 0.4376 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(154, 193, 117) }
```

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

```
.border{ border-color:rgb(154, 193, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 193, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 193, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 193, 117);  
box-shadow:4px 4px 4px 4px rgb(154, 193,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.2943, 0.3366, 0.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 193, 117) }
```

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

```
.background{ background-color: rgb(154,  
193, 117) }
```

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