

# Converting Colors

$Yxy(46.1367, 0.3068, 0.3881)$

Have a look what the booklet for  
Yxy(46.1367, 0.3068, 0.3881)  
contains.

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# Color

**Yxy(46.1367, 0.3068, 0.3881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93C097
RGB	147, 192, 151
RGB Percent	58%, 75%, 59%
CMY	0.4235, 0.2471, 0.4078
CMYK	0.23, 0.00, 0.21, 0.25
HSL	125°, 26%, 66%
HSV	125°, 23%, 75%
XYZ	36.4719, 46.1367, 36.2698
YIQ	173.8710, -13.6590, -22.2910

# Conversions

## Conversions Part 2

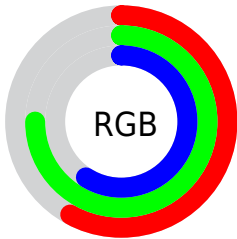
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 188, 192
Decimal	9683095
CIELab	73.63, -23.02, 15.90
CIELCh	74, 27.975, 145.362
Yxy	46.1367, 0.3068, 0.3881
Android (android.graphics.Color)	4287873175 (0xFF93C097)
YUV	173.8710, -11.2754, -23.5659
Hunter-Lab	67.9240, -23.0212, 15.8874

# Details

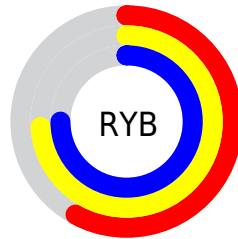
The Yxy color **46.1367, 0.3068, 0.3881** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.7103, 0.3191, 0.2763**, and the grayscale version is **42.3254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7157, 0.3086, 0.3775**, and **21.5300, 0.3039, 0.4062** is the 20% darker color. If you saturate the color by 10%, you get **43.9821, 0.3042, 0.4182**, and if you desaturate by 10%, it is **48.6758, 0.3094, 0.3608**.

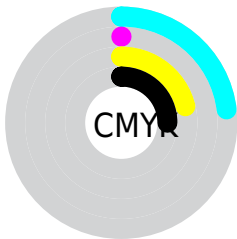
# Distribution



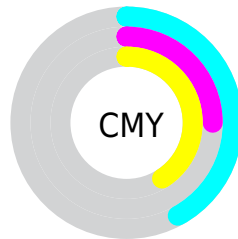
- Red (58%)
- Green (75%)
- Blue (59%)



- Red (58%)
- Yellow (74%)
- Blue (75%)



- Cyan (23%)
- Magenta (0%)
- Yellow (21%)
- Black (25%)




- Cyan (42%)
- Magenta (25%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1367, 0.3068, 0.3881 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 46.1367, 0.3068, 0.3881 by changing the saturation by 10% instead.





 46.1367, 0.3068,  
0.3881

 46.1367, 0.3068,  
0.3881


371.3580, 0.3103,  
0.3574

 32.3537, 0.3057,  
0.3961


 84.4235, 0.3082,  
0.3767

 21.6318, 0.3042,  
0.4066


 109.6962, 0.3087,  
0.3725

 13.5866, 0.3020,  
0.4210


139.5675, 0.3091,  
0.3690

 7.8337, 0.2985,  
0.4419

174.4219, 0.3094,  
0.3660

 3.9887, 0.2921,  
0.4745

214.6437, 0.3097,  
0.3634

 1.6673, 0.2842,  
0.5427

260.6174, 0.3099,

 0.4023, 0.0000,

0.3611

1.0000

312.7274, 0.3101,  
0.3592

0.0000, 0.0000,  
0.0000

46.1367, 0.3068,  
0.3881

46.1367, 0.3068,  
0.3881

43.9821, 0.3042,  
0.4182

48.6758, 0.3094,  
0.3608

42.1878, 0.3018,  
0.4505

51.6106, 0.3119,  
0.3366

40.7357, 0.2998,  
0.4838

54.9592, 0.3143,  
0.3154

39.6040, 0.2982,  
0.5162

58.7368, 0.3165,  
0.2970

38.7683, 0.2974,  
0.5456

62.9579, 0.3185,  
0.2812

■ 38.2008, 0.2973,  
0.5697

■ 66.1788, 0.3156,  
0.2673

■ 37.8681, 0.2980,  
0.5869

■ 37.7395, 0.2984,  
0.5942

# Harmonies

## Analogous

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



46.1367, 0.3456, 0.3997



46.1367, 0.3068, 0.3881



46.1367, 0.2710, 0.3570

# Triad

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



46.1367, 0.3068, 0.3881



46.1367, 0.2507, 0.2685



46.1367, 0.3826, 0.3329

# Complementary

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



46.1367, 0.3068, 0.3881



35.7103, 0.3191, 0.2763

# 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.



46.1367, 0.3540, 0.3022



46.1367, 0.3068, 0.3881



46.1367, 0.2773, 0.2662

# Square

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



46.1367, 0.3068, 0.3881



46.1367, 0.2401, 0.2866



46.1367, 0.3148, 0.2784



46.1367, 0.3909, 0.3644



# Rectangle

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



46.1367, 0.3068, 0.3881



46.1367, 0.2535, 0.3313



46.1367, 0.3148, 0.2784



46.1367, 0.3750, 0.3222

# Sweetspot

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



46.1387, 0.3068, 0.3881



91.4715, 0.3110, 0.3452



50.5292, 0.3443, 0.3874



19.5536, 0.3108, 0.3466



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

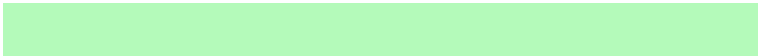


# Same Dimension

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



46.1387, 0.3068, 0.3881



81.5555, 0.3055, 0.4029



46.9307, 0.2911, 0.3553



11.2731, 0.3104, 0.3506



25.4001, 0.2981, 0.5932



1.1025, 0.2916, 0.5699



# Inverse Universe

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



35.7103, 0.3191, 0.2763



59.4308, 0.3207, 0.2648



34.8241, 0.3410, 0.3042



10.2316, 0.3151, 0.3083



9.6271, 0.3444, 0.1671

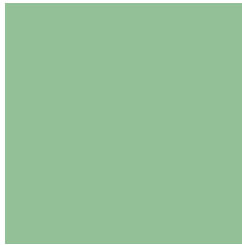


0.4206, 0.3385, 0.1639



# Previews

## White Background



This preview shows how the Yxy color 46.1367, 0.3068, 0.3881 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 46.1367, 0.3068, 0.3881 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 46.1367, 0.3068, 0.3881**

## Background



This preview shows how black text looks on a background with the Yxy color 46.1367, 0.3068, 0.3881.



This preview shows how white text looks on a background with the Yxy color 46.1367, 0.3068, 0.3881.

# 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

46.1367, 0.3068, 0.3881

### Protanopia

45.7632, 0.3517, 0.3750

### Deuteranopia

45.9041, 0.3596, 0.3529



## Tritanopia

45.9360, 0.2789, 0.3088

# Trichromacy



**Original Color**

46.1367, 0.3068, 0.3881

**Protanomaly**

45.5015, 0.3344, 0.3796

**Deuteranomaly**

45.6951, 0.3383, 0.3649

**Tritanomaly**

46.1161, 0.2893, 0.3372

# Monochromacy



**Original Color**

46.1367, 0.3068, 0.3881

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

43.6934, 0.3100, 0.3499

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1367, 0.3068, 0.3881 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(147, 192, 151)` looks like.

```
.text, #text, p{  
    color:rgb(147, 192, 151)  
}
```

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(147, 192, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 192, 151) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1367, 0.3068, 0.3881 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(147, 192, 151) }
```

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

```
.border{ border-color:rgb(147, 192, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 192, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 192, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 192, 151);  
box-shadow:4px 4px 4px 4px rgb(147, 192,  
151) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1367, 0.3068, 0.3881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 192, 151) }
```

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

```
.background{ background-color: rgb(147,  
192, 151) }
```

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](#).

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