

# Converting Colors

$Yxy(45.8615, 0.3080, 0.3831)$

Have a look what the booklet for  
Yxy(45.8615, 0.3080, 0.3831)  
contains.

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# Color

**Yxy(46.0455, 0.3078, 0.3835)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96BF99
RGB	150, 191, 153
RGB Percent	59%, 75%, 60%
CMY	0.4118, 0.2510, 0.4001
CMYK	0.21, 0.00, 0.20, 0.25
HSL	124°, 24%, 67%
HSV	124°, 21%, 75%
XYZ	36.9565, 46.0455, 37.0645
YIQ	174.4090, -12.2380, -20.5100

# Conversions

## Conversions Part 2

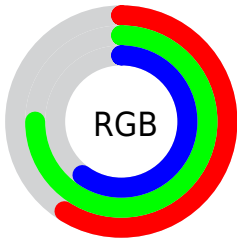
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 188, 191
Decimal	9879449
CIELab	73.58, -21.16, 14.79
CIELCh	74, 25.818, 145.042
Yxy	46.0455, 0.3078, 0.3835
Android (android.graphics.Color)	4288069529 (0xFF96BF99)
YUV	174.4090, -10.5546, -21.4067
Hunter-Lab	67.8568, -21.5341, 15.1146

# Details

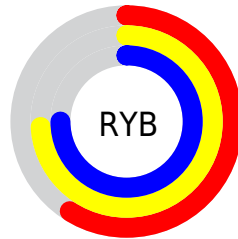
The Yxy color **46.0455, 0.3078, 0.3835** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.5228, 0.3179, 0.2800**, and the grayscale version is **42.6089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0057, 0.3094, 0.3729**, and **21.4473, 0.3052, 0.3996** is the 20% darker color. If you saturate the color by 10%, you get **43.8381, 0.3054, 0.4137**, and if you desaturate by 10%, it is **48.6390, 0.3101, 0.3563**.

# Distribution



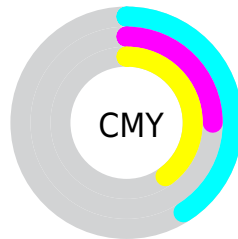
- Red (59%)
- Green (75%)
- Blue (60%)



- Red (59%)
- Yellow (74%)
- Blue (75%)



- Cyan (21%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)




- Cyan (41%)
- Magenta (25%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0455, 0.3078, 0.3835 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 46.0455, 0.3078, 0.3835 by changing the saturation by 10% instead.





 46.0455, 0.3078,  
0.3835

 46.0455, 0.3078,  
0.3835

370.9915, 0.3107,  
0.3553

 32.2817, 0.3069,  
0.3909


 84.2871, 0.3090,  
0.3730

 21.5768, 0.3057,  
0.4005


 109.5337, 0.3094,  
0.3691

 13.5463, 0.3038,  
0.4137


139.3767, 0.3097,  
0.3659

 7.8058, 0.3008,  
0.4327

174.2005, 0.3100,  
0.3631

 3.9709, 0.2955,  
0.4626

214.3895, 0.3102,  
0.3608

 1.6573, 0.2880,  
0.5223

260.3281, 0.3104,

 0.3958, 0.0000,

0.3587

1.0000

312.4006, 0.3106,  
0.3569

0.0000, 0.0000,  
0.0000

46.0455, 0.3078,  
0.3835

46.0455, 0.3078,  
0.3835

43.8381, 0.3054,  
0.4137

48.6390, 0.3101,  
0.3563

41.9930, 0.3031,  
0.4462

51.6298, 0.3124,  
0.3323

40.4924, 0.3011,  
0.4798

55.0356, 0.3145,  
0.3113

39.3150, 0.2994,  
0.5129

58.8715, 0.3164,  
0.2931

38.4370, 0.2984,  
0.5431

63.1518, 0.3182,  
0.2775

■ 37.8312, 0.2980,  
0.5681

■ 65.7442, 0.3157,  
0.2663

■ 37.4655, 0.2984,  
0.5861

■ 37.2955, 0.2988,  
0.5955

# Harmonies

## Analogous

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



46.0455, 0.3437, 0.3941



46.0455, 0.3078, 0.3835



46.0455, 0.2745, 0.3552

# Triad

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



46.0455, 0.3078, 0.3835



46.0455, 0.2550, 0.2730



46.0455, 0.3770, 0.3325

# Complementary

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



46.0455, 0.3078, 0.3835



36.5228, 0.3179, 0.2800

# 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.



46.0455, 0.3506, 0.3039



46.0455, 0.3078, 0.3835



46.0455, 0.2796, 0.2706

# Square

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



46.0455, 0.3078, 0.3835



46.0455, 0.2453, 0.2902



46.0455, 0.3144, 0.2818



46.0455, 0.3850, 0.3618



# Rectangle

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



46.0455, 0.3078, 0.3835



46.0455, 0.2581, 0.3317



46.0455, 0.3144, 0.2818



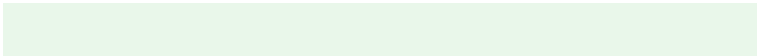
46.0455, 0.3699, 0.3226

# Sweetspot

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



46.0475, 0.3078, 0.3835



89.8936, 0.3114, 0.3430



50.1923, 0.3423, 0.3822



19.6621, 0.3112, 0.3446



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

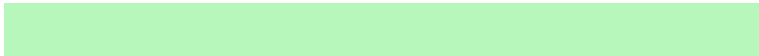


# Same Dimension

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



46.0475, 0.3078, 0.3835



80.4257, 0.3066, 0.3981



46.7748, 0.2933, 0.3538



10.6606, 0.3106, 0.3509



24.5131, 0.2985, 0.5945



0.9641, 0.2928, 0.5740



# Inverse Universe

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



36.5228, 0.3179, 0.2800



60.1733, 0.3193, 0.2685



35.7091, 0.3374, 0.3055



9.6840, 0.3148, 0.3080



9.3747, 0.3397, 0.1645

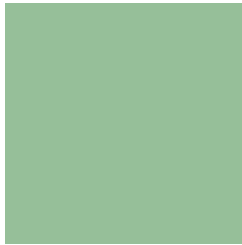


0.3708, 0.3348, 0.1618



# Previews

## White Background



This preview shows how the Yxy color 46.0455, 0.3078, 0.3835 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

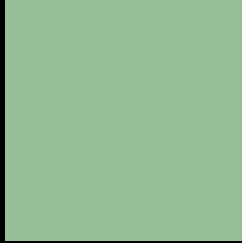
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.0455, 0.3078, 0.3835 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

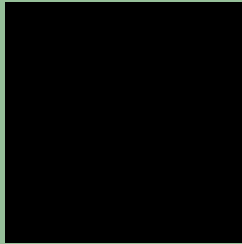
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.0455, 0.3078, 0.3835**

## Background



This preview shows how black text looks on a background with the Yxy color 46.0455, 0.3078, 0.3835.



This preview shows how white text looks on a background with the Yxy color 46.0455, 0.3078, 0.3835.

# 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

46.0455, 0.3078, 0.3835

### Protanopia

45.8570, 0.3491, 0.3710

### Deuteranopia

45.8282, 0.3569, 0.3504



## Tritanopia

46.0905, 0.2811, 0.3102

# Trichromacy



**Original Color**

46.0455, 0.3078, 0.3835

**Protanomaly**

45.7131, 0.3329, 0.3753

**Deuteranomaly**

45.4819, 0.3378, 0.3608

**Tritanomaly**

45.8866, 0.2908, 0.3358

# Monochromacy



**Original Color**

46.0455, 0.3078, 0.3835

**Achromatopsia**

42.3268, 0.3127, 0.3290

**Achromatomaly**

43.3950, 0.3109, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.0455, 0.3078, 0.3835 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(150, 191, 153)` looks like.

```
.text, #text, p{  
    color:rgb(150, 191, 153)  
}
```

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(150, 191, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 191, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 46.0455, 0.3078, 0.3835 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(150, 191, 153) }
```

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

```
.border{ border-color:rgb(150, 191, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 191, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 191, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 191, 153);  
box-shadow:4px 4px 4px 4px rgb(150, 191,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.0455, 0.3078, 0.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 191, 153) }
```

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

```
.background{ background-color: rgb(150,  
191, 153) }
```

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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