

# Converting Colors

$Y_{xy}(44.8483, 0.2978, 0.3594)$

Have a look what the booklet for  
Yxy(44.8483, 0.2978, 0.3594)  
contains.

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# Color

**Yxy(44.6834, 0.2976, 0.3590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95BBA6
RGB	149, 187, 166
RGB Percent	58%, 73%, 65%
CMY	0.4158, 0.2666, 0.3491
CMYK	0.20, 0.00, 0.11, 0.27
HSL	147°, 22%, 66%
HSV	147°, 20%, 73%
XYZ	37.0412, 44.6834, 42.7417
YIQ	173.2440, -15.9070, -14.5870

# Conversions

## Conversions Part 2

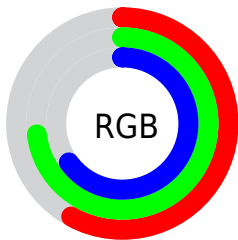
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 175, 187
Decimal	9812902
CIELab	72.68, -17.04, 6.46
CIELCh	73, 18.220, 159.230
Yxy	44.6834, 0.2976, 0.3590
Android (android.graphics.Color)	4288002982 (0xFF95BBA6)
YUV	173.2440, -3.5713, -21.2620
Hunter-Lab	66.8456, -18.0677, 8.8814

# Details

The Yxy color  $44.6834, 0.2976, 0.3590$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $34.9511, 0.3313, 0.3008$ , and the grayscale version is  $41.9417, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.1590, 0.3008, 0.3530$ , and  $20.8618, 0.2936, 0.3690$  is the 20% darker color. If you saturate the color by 10%, you get  $42.7016, 0.2907, 0.3762$ , and if you desaturate by 10%, it is  $46.9818, 0.3049, 0.3434$ .

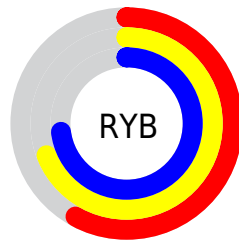
# Distribution



Red (58%)

Green (73%)

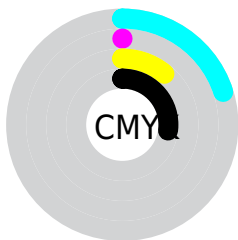
Blue (65%)



Red (58%)

Yellow (69%)

Blue (73%)

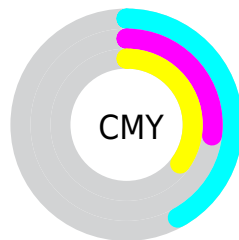


Cyan (20%)

Magenta (0%)

Yellow (11%)

Black (27%)



Cyan (42%)

Magenta (27%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6834, 0.2976, 0.3590 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 44.6834, 0.2976, 0.3590 by changing the saturation by 10% instead.




 44.6834, 0.2976,  
0.3590


 44.6834, 0.2976,  
0.3590


365.4898, 0.3054,  
0.3436

 31.2081, 0.2956,  
0.3630


 82.2451, 0.3005,  
0.3533

 20.7574, 0.2930,  
0.3682


 107.1003, 0.3015,  
0.3512

 12.9468, 0.2894,  
0.3753


136.5177, 0.3024,  
0.3494

 7.3919, 0.2843,  
0.3856

170.8815, 0.3032,  
0.3479

 3.7084, 0.2763,  
0.4016

210.5763, 0.3038,  
0.3466

 1.5118, 0.2621,  
0.4302

255.9863, 0.3044,

 0.2970, 0.0000,

0.3455

1.0000

307.4960, 0.3049,  
0.3445

0.0000, 0.0000,  
0.0000

44.6834, 0.2976,  
0.3590

44.6834, 0.2976,  
0.3590

42.7016, 0.2907,  
0.3762

46.9818, 0.3049,  
0.3434

41.0167, 0.2845,  
0.3950

49.6045, 0.3125,  
0.3295

39.6152, 0.2792,  
0.4152

52.5659, 0.3200,  
0.3171

38.4804, 0.2754,  
0.4363

55.8776, 0.3274,  
0.3062

37.5939, 0.2732,  
0.4578

59.5510, 0.3345,  
0.2966

■ 36.9345, 0.2728,  
0.4792

■ 62.4076, 0.3365,  
0.2876

■ 36.4776, 0.2744,  
0.4997

■ 62.9989, 0.3284,  
0.2777

■ 36.1816, 0.2773,  
0.5182

■ 63.6250, 0.3205,  
0.2681

■ 64.0267, 0.3158,  
0.2624

# Harmonies

## Analogous

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



44.6834, 0.3234, 0.3729



44.6834, 0.2976, 0.3590



44.6834, 0.2765, 0.3361

# Triad

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



44.6834, 0.2976, 0.3590



44.6834, 0.2784, 0.2863



44.6834, 0.3629, 0.3424

# Complementary

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



44.6834, 0.2976, 0.3590



34.9511, 0.3313, 0.3008

# 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.



44.6834, 0.3498, 0.3207



44.6834, 0.2976, 0.3590



44.6834, 0.3005, 0.2892

# Square

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



44.6834, 0.2976, 0.3590



44.6834, 0.2658, 0.2943



44.6834, 0.3267, 0.3016



44.6834, 0.3617, 0.3619



# Rectangle

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



44.6834, 0.2976, 0.3590



44.6834, 0.2676, 0.3198



44.6834, 0.3267, 0.3016



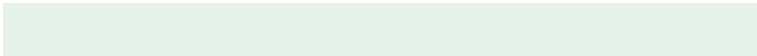
44.6834, 0.3600, 0.3352

# Sweetspot

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



44.6853, 0.2976, 0.3590



86.0536, 0.3081, 0.3373



46.3200, 0.3284, 0.3814



18.8837, 0.3076, 0.3382



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

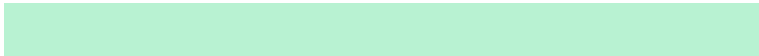


# Same Dimension

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



44.6853, 0.2976, 0.3590



78.5164, 0.2947, 0.3658



45.4133, 0.2845, 0.3324



10.7187, 0.3057, 0.3420



24.9394, 0.2767, 0.5159



0.9901, 0.2635, 0.4685



# Inverse Universe

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



34.9511, 0.3313, 0.3008



58.2184, 0.3359, 0.2950



34.2998, 0.3500, 0.3256



9.6222, 0.3204, 0.3164



7.9733, 0.4715, 0.2371



0.3253, 0.4261, 0.2121



# Previews

## White Background



This preview shows how the Yxy color 44.6834, 0.2976, 0.3590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

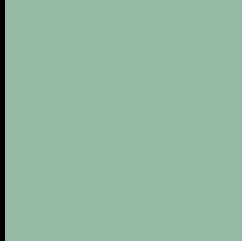
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.6834, 0.2976, 0.3590 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 44.6834, 0.2976, 0.3590**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6834, 0.2976, 0.3590.

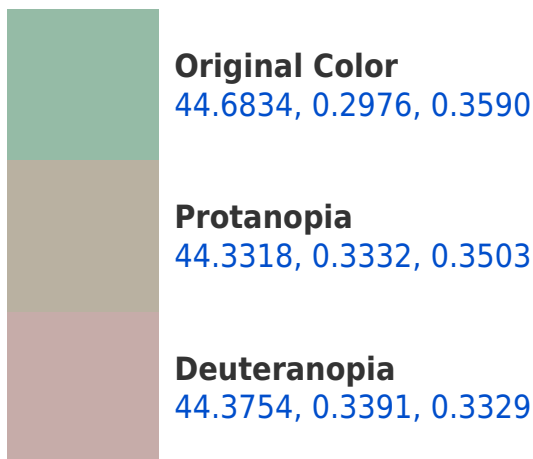


This preview shows how white text looks on a background with the Yxy color 44.6834, 0.2976, 0.3590.

# 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





## Tritanopia

44.8668, 0.2800, 0.3100

# Trichromacy



## Original Color

44.6834, 0.2976, 0.3590

## Protanomaly

44.4627, 0.3193, 0.3536

## Deuteranomaly

43.9747, 0.3228, 0.3411

## Tritanomaly

44.5985, 0.2862, 0.3262

# Monochromacy



## Original Color

44.6834, 0.2976, 0.3590

## Achromatopsia

41.7885, 0.3127, 0.3290

## Achromatomaly

42.6356, 0.3070, 0.3401

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6834, 0.2976, 0.3590 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(149, 187, 166)` looks like.

```
.text, #text, p{  
    color:rgb(149, 187, 166)  
}
```

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(149, 187, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 187, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6834, 0.2976, 0.3590 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(149, 187, 166) }
```

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

```
.border{ border-color:rgb(149, 187, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 187, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 187, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 187, 166);  
box-shadow:4px 4px 4px 4px rgb(149, 187,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6834, 0.2976, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 187, 166) }
```

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

```
.background{ background-color: rgb(149,  
187, 166) }
```

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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