

# Converting Colors

$Yxy(45.6816, 0.2930, 0.3462)$

Have a look what the booklet for  
Yxy(45.6816, 0.2930, 0.3462)  
contains.

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# Color

**Yxy(45.7764, 0.2928, 0.3457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98BCB0
RGB	152, 188, 176
RGB Percent	60%, 74%, 69%
CMY	0.4038, 0.2627, 0.3098
CMYK	0.19, 0.00, 0.06, 0.26
HSL	160°, 21%, 67%
HSV	160°, 19%, 74%
XYZ	38.7716, 45.7764, 47.8686
YIQ	175.8680, -17.6040, -11.3640

# Conversions

## Conversions Part 2

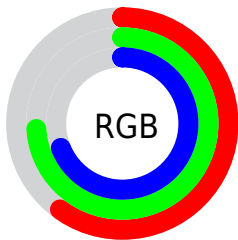
Format	Color
<b>RYB</b>	152, 174, 188
Decimal	10009776
CIELab	73.40, -14.53, 2.06
CIELCh	73, 14.673, 171.919
Yxy	45.7764, 0.2928, 0.3457
Android (android.graphics.Color)	4288199856 (0xFF98BCB0)
YUV	175.8680, 0.0651, -20.9322
Hunter-Lab	67.6583, -16.1125, 5.4128

# Details

The Yxy color  $45.7764, 0.2928, 0.3457$  is a light color, and the websafe version is hex  $99CCCC$ . A complement of this color would be  $35.8354, 0.3377, 0.3129$ , and the grayscale version is  $43.3531, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.7930, 0.2964, 0.3418$ , and  $21.4925, 0.2862, 0.3504$  is the 20% darker color. If you saturate the color by 10%, you get  $43.8630, 0.2832, 0.3557$ , and if you desaturate by 10%, it is  $47.9926, 0.3030, 0.3366$ .

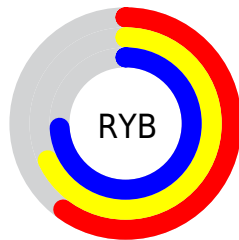
# Distribution



Red (60%)

Green (74%)

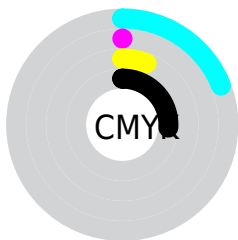
Blue (69%)



Red (60%)

Yellow (68%)

Blue (74%)

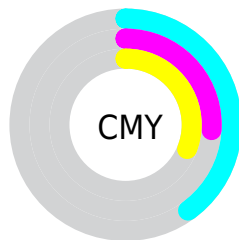


Cyan (19%)

Magenta (0%)

Yellow (6%)

Black (26%)



Cyan (40%)

Magenta (26%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7764, 0.2928, 0.3457 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 45.7764, 0.2928, 0.3457 by changing the saturation by 10% instead.





 45.7764, 0.2928,  
0.3457


 45.7764, 0.2928,  
0.3457

369.9090, 0.3028,  
0.3373

 32.0694, 0.2903,  
0.3478


 83.8843, 0.2965,  
0.3426

 21.4145, 0.2870,  
0.3506


 109.0539, 0.2978,  
0.3415

 13.4273, 0.2827,  
0.3544


138.8133, 0.2990,  
0.3405

 7.7235, 0.2765,  
0.3596

173.5467, 0.3000,  
0.3396

 3.9185, 0.2673,  
0.3677

213.6386, 0.3008,  
0.3389

 1.6281, 0.2517,  
0.3815

259.4733, 0.3016,

 0.3764, 0.0049,

0.3383

0.5834

311.4353, 0.3022,  
0.3377

0.0000, 0.0000,  
0.0000

45.7764, 0.2928,  
0.3457

45.7764, 0.2928,  
0.3457

43.8630, 0.2832,  
0.3557

47.9926, 0.3030,  
0.3366

42.2331, 0.2745,  
0.3665

50.5186, 0.3136,  
0.3283

40.8737, 0.2671,  
0.3781

53.3684, 0.3244,  
0.3209

39.7687, 0.2611,  
0.3903

56.5534, 0.3351,  
0.3144

38.9004, 0.2570,  
0.4028

60.0843, 0.3457,  
0.3086

■ 38.2484, 0.2547,  
0.4156

■ 62.0611, 0.3479,  
0.3028

■ 37.7889, 0.2545,  
0.4283

■ 62.3868, 0.3428,  
0.2965

■ 37.4795, 0.2559,  
0.4408

■ 62.7249, 0.3378,  
0.2904

■ 37.4551, 0.2561,  
0.4419

■ 63.0756, 0.3329,  
0.2843

# Harmonies

## Analogous

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



45.7764, 0.3126, 0.3603



45.7764, 0.2928, 0.3457



45.7764, 0.2786, 0.3265

# Triad

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



45.7764, 0.2928, 0.3457



45.7764, 0.2921, 0.2945



45.7764, 0.3537, 0.3471

# Complementary

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



45.7764, 0.2928, 0.3457



35.8354, 0.3377, 0.3129

# 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.



45.7764, 0.3479, 0.3299



45.7764, 0.2928, 0.3457



45.7764, 0.3118, 0.3002

# Square

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



45.7764, 0.2928, 0.3457



45.7764, 0.2782, 0.2975



45.7764, 0.3324, 0.3130



45.7764, 0.3481, 0.3604



# Rectangle

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



45.7764, 0.2928, 0.3457



45.7764, 0.2740, 0.3143



45.7764, 0.3324, 0.3130



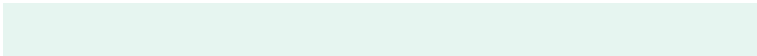
45.7764, 0.3530, 0.3416

# Sweetspot

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



45.7783, 0.2928, 0.3457



88.3109, 0.3062, 0.3340



46.1917, 0.3208, 0.3791



18.9287, 0.3055, 0.3345



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.



45.7783, 0.2928, 0.3457



81.4310, 0.2886, 0.3498



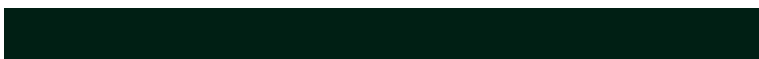
44.0114, 0.2840, 0.3215



10.7540, 0.3028, 0.3368



25.5159, 0.2557, 0.4403



1.0111, 0.2473, 0.4103



# Inverse Universe

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



35.8354, 0.3377, 0.3129



60.0733, 0.3447, 0.3092



37.2145, 0.3484, 0.3364



9.5874, 0.3237, 0.3214



7.5336, 0.5611, 0.2865

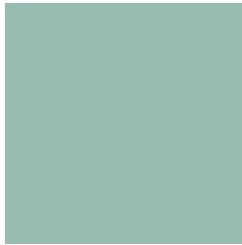


0.3075, 0.4924, 0.2486



# Previews

## White Background



This preview shows how the Yxy color 45.7764, 0.2928, 0.3457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

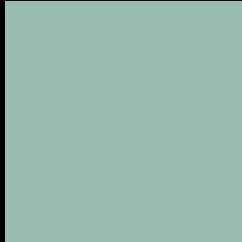
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.7764, 0.2928, 0.3457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

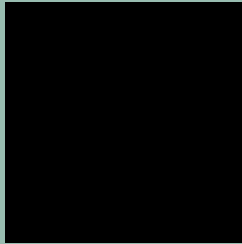
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

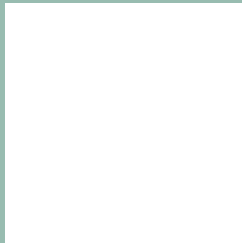
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.7764, 0.2928, 0.3457**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.7764, 0.2928, 0.3457.



This preview shows how white text looks on a background with the Yxy color 45.7764, 0.2928, 0.3457.

# 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

45.7764, 0.2928, 0.3457

### Protanopia

45.4948, 0.3245, 0.3395

### Deuteranopia

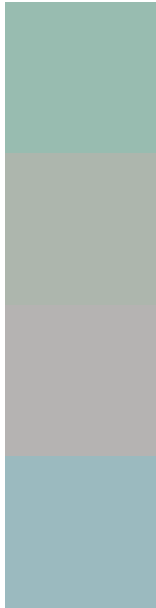
45.3971, 0.3291, 0.3227



## Tritanopia

45.8894, 0.2796, 0.3101

# Trichromacy



## Original Color

45.7764, 0.2928, 0.3457

## Protanomaly

45.3573, 0.3121, 0.3411

## Deuteranomaly

45.2783, 0.3153, 0.3303

## Tritanomaly

45.8480, 0.2844, 0.3221

# Monochromacy



## Original Color

45.7764, 0.2928, 0.3457

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.9926, 0.3048, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7764, 0.2928, 0.3457 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(152, 188, 176)` looks like.

```
.text, #text, p{  
    color:rgb(152, 188, 176)  
}
```

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(152, 188, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 188, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7764, 0.2928, 0.3457 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(152, 188, 176) }
```

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

```
.border{ border-color:rgb(152, 188, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 188, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 188, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 188, 176);  
box-shadow:4px 4px 4px 4px rgb(152, 188,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7764, 0.2928, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 188, 176) }
```

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

```
.background{ background-color: rgb(152,  
188, 176) }
```

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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