

# Converting Colors

$Yxy(48.3673, 0.2747, 0.3344)$

Have a look what the booklet for  
Yxy(48.3673, 0.2747, 0.3344)  
contains.

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# Color

**Yxy(48.3673, 0.2747, 0.3344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CC3BF
RGB	140, 195, 191
RGB Percent	55%, 76%, 75%
CMY	0.4511, 0.2353, 0.2509
CMYK	0.28, 0.00, 0.02, 0.24
HSL	176°, 31%, 66%
HSV	176°, 28%, 76%
XYZ	39.7323, 48.3673, 56.5394
YIQ	178.0990, -31.4960, -12.9040

# Conversions

## Conversions Part 2

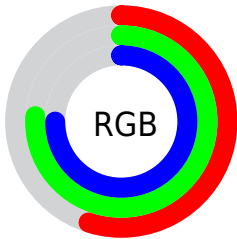
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 169, 195
Decimal	9225151
CIE <sub>Lab</sub>	75.06, -18.63, -3.76
CIE <sub>LCh</sub>	75, 19.002, 191.414
Yxy	48.3673, 0.2747, 0.3344
Android (android.graphics.Color)	4287415231 (0xFF8CC3BF)
YUV	178.0990, 6.3602, -33.4128
Hunter-Lab	69.5466, -19.7285, 0.4815

# Details

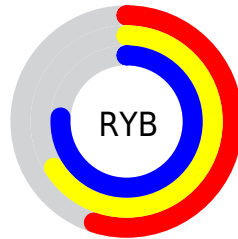
The Yxy color **48.3673, 0.2747, 0.3344** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.3654, 0.3693, 0.3238**, and the grayscale version is **44.5531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9383, 0.2817, 0.3342**, and **22.9594, 0.2643, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **46.7610, 0.2633, 0.3366**, and if you desaturate by 10%, it is **50.2783, 0.2874, 0.3323**.

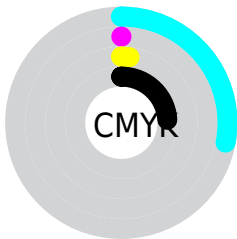
# Distribution



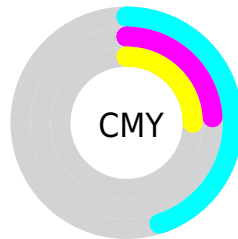
- Red (55%)
- Green (76%)
- Blue (75%)



- Red (55%)
- Yellow (66%)
- Blue (76%)



- Cyan (28%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)




- Cyan (45%)
- Magenta (24%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3673, 0.2747, 0.3344 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 48.3673, 0.2747, 0.3344 by changing the saturation by 10% instead.





 48.3673, 0.2747,  
0.3344

 48.3673, 0.2747,  
0.3344


380.2462, 0.2934,  
0.3319


 34.1179, 0.2701,  
0.3349


 87.7510, 0.2814,  
0.3336

 22.9841, 0.2643,  
0.3356


 113.6541, 0.2840,  
0.3332

 14.5818, 0.2566,  
0.3364


 144.2105, 0.2862,  
0.3329

 8.5264, 0.2460,  
0.3375

179.8046, 0.2880,  
0.3327

 4.4336, 0.2306,  
0.3387

220.8208, 0.2896,  
0.3325

 1.9189, 0.2062,  
0.3400

267.6436, 0.2911,

 0.5597, 0.0512,

0.3323

0.3708

320.6572, 0.2923,  
0.3321

0.0000, 0.0000,  
0.0000

48.3673, 0.2747,  
0.3344

48.3673, 0.2747,  
0.3344

46.7610, 0.2633,  
0.3366

50.2783, 0.2874,  
0.3323

45.4377, 0.2534,  
0.3389

52.5028, 0.3010,  
0.3304

44.3819, 0.2453,  
0.3413

55.0565, 0.3153,  
0.3287

43.5746, 0.2390,  
0.3437

57.9523, 0.3300,  
0.3271

42.9940, 0.2346,  
0.3461

61.2024, 0.3449,  
0.3257

■ 42.6145, 0.2320,  
0.3486

■ 64.4405, 0.3581,  
0.3245

■ 42.3966, 0.2311,  
0.3510

■ 64.5068, 0.3570,  
0.3230

■ 42.3639, 0.2310,  
0.3514

■ 64.5737, 0.3558,  
0.3216

■ 64.6412, 0.3547,  
0.3201

# Harmonies

## Analogous

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



48.3673, 0.2956, 0.3580



48.3673, 0.2747, 0.3344



48.3673, 0.2640, 0.3103

# Triad

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



48.3673, 0.2747, 0.3344



48.3673, 0.3021, 0.2892



48.3673, 0.3618, 0.3636

# Complementary

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



48.3673, 0.2747, 0.3344



32.3654, 0.3693, 0.3238

# 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.



48.3673, 0.3641, 0.3442



48.3673, 0.2747, 0.3344



48.3673, 0.3288, 0.3024

# Square

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



48.3673, 0.2747, 0.3344



48.3673, 0.2793, 0.2855



48.3673, 0.3518, 0.3221



48.3673, 0.3460, 0.3747



# Rectangle

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



48.3673, 0.2747, 0.3344



48.3673, 0.2637, 0.2976



48.3673, 0.3518, 0.3221



48.3673, 0.3642, 0.3577

# Sweetspot

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



48.3693, 0.2747, 0.3344



94.0662, 0.3011, 0.3304



46.9065, 0.3125, 0.4089



20.4574, 0.2990, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

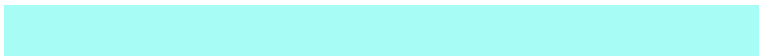


# Same Dimension

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



48.3693, 0.2747, 0.3344



84.7451, 0.2673, 0.3358



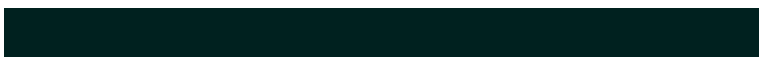
39.0488, 0.2689, 0.2963



11.4154, 0.2994, 0.3307



27.5373, 0.2309, 0.3511



1.1936, 0.2294, 0.3457



# Inverse Universe

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



32.3654, 0.3693, 0.3238



51.2880, 0.3874, 0.3226



39.6571, 0.3655, 0.3595



10.0895, 0.3278, 0.3274



7.5665, 0.6311, 0.3250

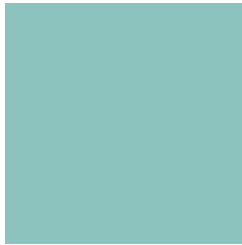


0.3311, 0.6000, 0.3079



# Previews

## White Background



This preview shows how the Yxy color 48.3673, 0.2747, 0.3344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

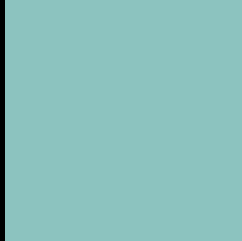
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3673, 0.2747, 0.3344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

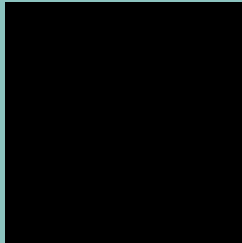
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

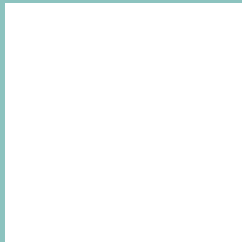
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.3673, 0.2747, 0.3344**

## Background



This preview shows how black text looks on a background with the Yxy color 48.3673, 0.2747, 0.3344.

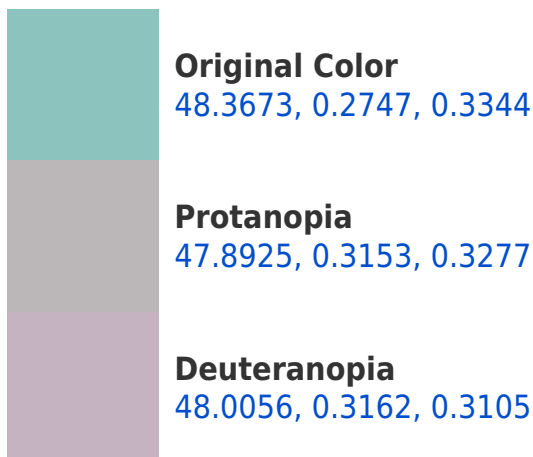


This preview shows how white text looks on a background with the Yxy color 48.3673, 0.2747, 0.3344.

# 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

48.1826, 0.2664, 0.3075

# Trichromacy



## Original Color

48.3673, 0.2747, 0.3344

## Protanomaly

47.6746, 0.2989, 0.3290

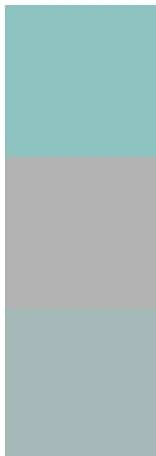
## Deuteranomaly

47.7783, 0.2993, 0.3186

## Tritanomaly

48.2438, 0.2695, 0.3167

# Monochromacy



## Original Color

48.3673, 0.2747, 0.3344

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.5924, 0.2970, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3673, 0.2747, 0.3344 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(140, 195, 191)` looks like.

```
.text, #text, p{  
    color:rgb(140, 195, 191)  
}
```

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(140, 195, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 195, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3673, 0.2747, 0.3344 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(140, 195, 191) }
```

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

```
.border{ border-color:rgb(140, 195, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 195, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 195, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 195, 191);  
box-shadow:4px 4px 4px 4px rgb(140, 195,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3673, 0.2747, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 195, 191) }
```

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

```
.background{ background-color: rgb(140,  
195, 191) }
```

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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