

# Converting Colors

$Yxy(48.3341, 0.2393, 0.3345)$

Have a look what the booklet for  
Yxy(48.3341, 0.2393, 0.3345)  
contains.

<b>Yxy(48.3312, 0.2393, 0.3346)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.3312, 0.2393, 0.3346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BCBC7
RGB	75, 203, 199
RGB Percent	29%, 80%, 78%
CMY	0.7060, 0.2039, 0.2196
CMYK	0.63, 0.00, 0.02, 0.20
HSL	178°, 55%, 55%
HSV	178°, 63%, 80%
XYZ	34.5656, 48.3312, 61.5479
YIQ	164.2720, -75.0040, -28.3800

# Conversions

## Conversions Part 2

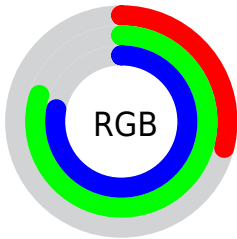
Format	Color
<a href="#">RYB</a>	<a href="#">75, 140, 203</a>
Decimal	<a href="#">4967367</a>
CIELab	<a href="#">75.03, -35.49, -8.41</a>
CIELCh	<a href="#">75, 36.475, 193.335</a>
Yxy	<a href="#">48.3312, 0.2393, 0.3346</a>
Android (android.graphics.Color)	<a href="#">4283157447 (0xFF4BCBC7)</a>
YUV	<a href="#">164.2720, 17.1209, -78.2915</a>
Hunter-Lab	<a href="#">69.5206, -32.9110, -3.8261</a>

# Details

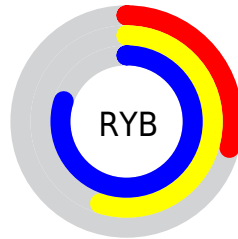
The Yxy color **48.3312, 0.2393, 0.3346** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **18.2896, 0.5075, 0.3251**, and the grayscale version is **37.2020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **23.2241, 0.2263, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **47.6120, 0.2337, 0.3356**, and if you desaturate by 10%, it is **49.3153, 0.2468, 0.3336**.

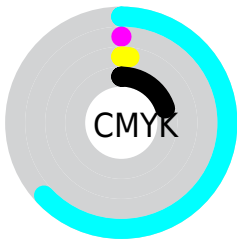
# Distribution



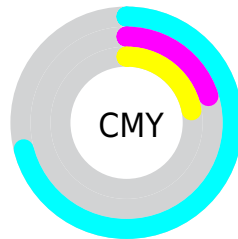
- Red (29%)
- Green (80%)
- Blue (78%)



- Red (29%)
- Yellow (55%)
- Blue (80%)



- Cyan (63%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)




- Cyan (71%)
- Magenta (20%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3312, 0.2393, 0.3346 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 48.3312, 0.2393, 0.3346 by changing the saturation by 10% instead.





 48.3312, 0.2393,  
0.3346

 48.3312, 0.2393,  
0.3346


380.1034, 0.2750,  
0.3327


 34.0892, 0.2307,  
0.3348


 87.6973, 0.2520,  
0.3341


 22.9622, 0.2200,  
0.3349


 113.5903, 0.2569,  
0.3339

 14.5656, 0.2060,  
0.3348


 144.1357, 0.2610,  
0.3336

 8.5151, 0.1873,  
0.3342

 179.7180, 0.2646,  
0.3334

 4.4263, 0.1612,  
0.3322

220.7215, 0.2677,  
0.3332

 1.9147, 0.1221,  
0.3267

267.5306, 0.2704,

 0.5572, 0.0000,

0.3330

0.3146

320.5298, 0.2728,  
0.3328

0.0000, 0.0000,  
0.0000

48.3312, 0.2393,  
0.3346

48.3312, 0.2393,  
0.3346

47.6120, 0.2337,  
0.3356

49.3153, 0.2468,  
0.3336

47.1262, 0.2300,  
0.3366

50.5812, 0.2562,  
0.3326

46.8446, 0.2280,  
0.3376

52.1507, 0.2673,  
0.3317

46.7306, 0.2273,  
0.3383

54.0422, 0.2798,  
0.3308

56.2724, 0.2935,  
0.3300

■ 58.8569, 0.3081,  
0.3292

■ 61.8104, 0.3233,  
0.3285

■ 65.1468, 0.3388,  
0.3279

■ 68.3678, 0.3523,  
0.3274

# Harmonies

## Analogous

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



48.3312, 0.2759, 0.3841



48.3312, 0.2393, 0.3346



48.3312, 0.2222, 0.2884

# Triad

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



48.3312, 0.2393, 0.3346



48.3312, 0.2946, 0.2575



48.3312, 0.4049, 0.3937

# Complementary

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



48.3312, 0.2393, 0.3346



18.2896, 0.5075, 0.3251

# 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.



48.3312, 0.4126, 0.3567



48.3312, 0.2393, 0.3346



48.3312, 0.3459, 0.2818

# Square

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



48.3312, 0.2393, 0.3346



48.3312, 0.2520, 0.2488



48.3312, 0.3906, 0.3169



48.3312, 0.3718, 0.4175



# Rectangle

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



48.3312, 0.2393, 0.3346



48.3312, 0.2228, 0.2664



48.3312, 0.3906, 0.3169



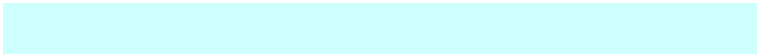
48.3312, 0.4107, 0.3823

# Sweetspot

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



48.3330, 0.2393, 0.3346



91.8438, 0.2849, 0.3305



44.8943, 0.3054, 0.5299



19.4362, 0.2810, 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.



48.3330, 0.2393, 0.3346



79.3555, 0.2320, 0.3360



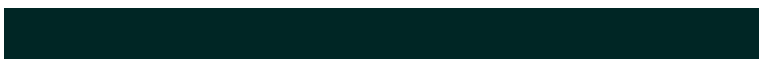
25.5288, 0.2155, 0.2337



12.7208, 0.2988, 0.3297



29.7402, 0.2273, 0.3382



1.5362, 0.2267, 0.3362



# Inverse Universe

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



18.2896, 0.5075, 0.3251



25.0270, 0.5719, 0.3257



30.4550, 0.4561, 0.4024



11.2192, 0.3285, 0.3283



8.0913, 0.6363, 0.3279

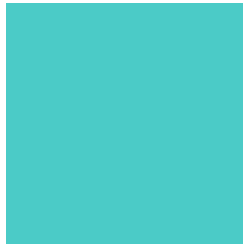


0.4194, 0.6237, 0.3210



# Previews

## White Background



This preview shows how the Yxy color 48.3312, 0.2393, 0.3346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

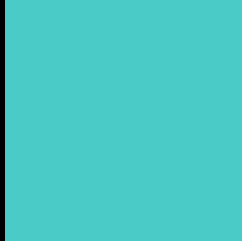
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.3312, 0.2393, 0.3346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

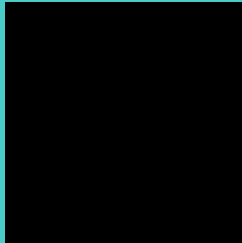
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

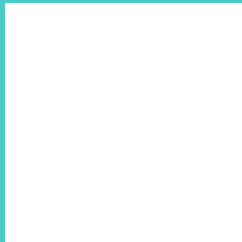
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.3312, 0.2393, 0.3346**

## Background



This preview shows how black text looks on a background with the Yxy color 48.3312, 0.2393, 0.3346.

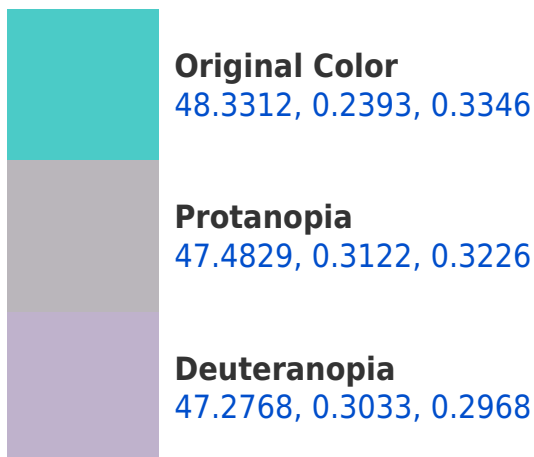


This preview shows how white text looks on a background with the Yxy color 48.3312, 0.2393, 0.3346.

# 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

48.1573, 0.2327, 0.3050

# Trichromacy



## Original Color

48.3312, 0.2393, 0.3346



## Protanomaly

46.6995, 0.2782, 0.3275



## Deuteranomaly

46.1945, 0.2728, 0.3087



## Tritanomaly

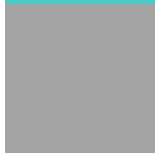
48.1319, 0.2352, 0.3160

# Monochromacy



## Original Color

48.3312, 0.2393, 0.3346



## Achromatopsia

37.1238, 0.3127, 0.3290



## Achromatomaly

39.9206, 0.2762, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.3312, 0.2393, 0.3346 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(75, 203, 199)` looks like.

```
.text, #text, p{  
    color:rgb(75, 203, 199)  
}
```

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(75, 203, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 203, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 48.3312, 0.2393, 0.3346 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(75, 203, 199) }
```

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

```
.border{ border-color:rgb(75, 203, 199) }
```

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

Here you see how a box with a 4 pixel rgb(75, 203, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 203, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 203, 199);  
box-shadow:4px 4px 4px 4px rgb(75, 203,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.3312, 0.2393, 0.3346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 203, 199) }
```

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

```
.background{ background-color: rgb(75, 203,  
199) }
```

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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