

# Converting Colors

$Y_{xy}(49.1920, 0.2856, 0.3340)$

Have a look what the booklet for  
Yxy(49.1920, 0.2856, 0.3340)  
contains.

<b>Yxy(49.2698, 0.2857, 0.3343)</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(49.2698, 0.2857, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BC2BE
RGB	155, 194, 190
RGB Percent	61%, 76%, 75%
CMY	0.3921, 0.2392, 0.2549
CMYK	0.20, 0.00, 0.02, 0.24
HSL	174°, 24%, 68%
HSV	174°, 20%, 76%
XYZ	42.1070, 49.2698, 56.0052
YIQ	181.8830, -21.9600, -9.5120

# Conversions

## Conversions Part 2

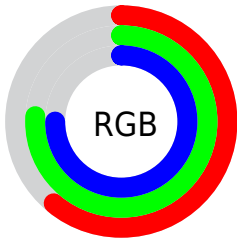
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 176, 194
Decimal	10207934
CIELab	75.62, -13.75, -2.28
CIElCh	76, 13.936, 189.425
Yxy	49.2698, 0.2857, 0.3343
Android (android.graphics.Color)	4288398014 (0xFF9BC2BE)
YUV	181.8830, 4.0017, -23.5764
Hunter-Lab	70.1924, -15.7582, 1.8284

# Details

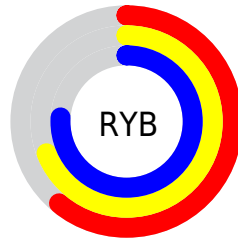
The Yxy color **49.2698, 0.2857, 0.3343** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.4249, 0.3481, 0.3238**, and the grayscale version is **46.7023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3498, 0.2906, 0.3341**, and **23.4459, 0.2780, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **47.4172, 0.2736, 0.3373**, and if you desaturate by 10%, it is **51.4360, 0.2988, 0.3315**.

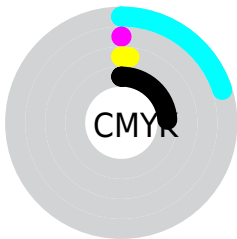
# Distribution



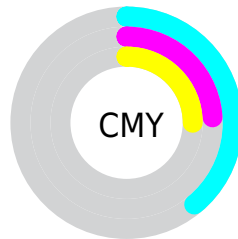
- Red (61%)
- Green (76%)
- Blue (75%)



- Red (61%)
- Yellow (69%)
- Blue (76%)



- Cyan (20%)
- Magenta (0%)
- Yellow (2%)
- Black (24%)




- Cyan (39%)
- Magenta (24%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2698, 0.2857, 0.3343 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 49.2698, 0.2857, 0.3343 by changing the saturation by 10% instead.




 49.2698, 0.2857,  
0.3343

 49.2698, 0.2857,  
0.3343

383.8035, 0.2990,  
0.3318

 34.8335, 0.2824,  
0.3349


 89.0920, 0.2905,  
0.3334

 23.5347, 0.2783,  
0.3356


 115.2468, 0.2923,  
0.3331

 14.9888, 0.2728,  
0.3366


146.0765, 0.2939,  
0.3328

 8.8115, 0.2652,  
0.3379

181.9656, 0.2952,  
0.3325

 4.6185, 0.2541,  
0.3396

223.2985, 0.2963,  
0.3323

 2.0252, 0.2364,  
0.3422

270.4595, 0.2973,

 0.6220, 0.1491,

0.3321

0.3628

323.8330, 0.2982,  
0.3319

0.0000, 0.0000,  
0.0000

49.2698, 0.2857,  
0.3343

49.2698, 0.2857,  
0.3343

47.4172, 0.2736,  
0.3373

51.4360, 0.2988,  
0.3315

45.8575, 0.2627,  
0.3404

53.9235, 0.3126,  
0.3290

44.5767, 0.2534,  
0.3438

56.7471, 0.3268,  
0.3267

43.5575, 0.2458,  
0.3472

59.9192, 0.3412,  
0.3247

42.7805, 0.2400,  
0.3507

63.4511, 0.3556,  
0.3229

■ 42.2237, 0.2362,  
0.3542

■ 64.1044, 0.3564,  
0.3209

■ 41.8609, 0.2342,  
0.3577

■ 64.1993, 0.3547,  
0.3189

■ 41.6426, 0.2337,  
0.3612

■ 64.2954, 0.3531,  
0.3168

■ 64.3927, 0.3515,  
0.3148

# Harmonies

## Analogous

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



49.2698, 0.3015, 0.3509



49.2698, 0.2857, 0.3343



49.2698, 0.2771, 0.3167

# Triad

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



49.2698, 0.2857, 0.3343



49.2698, 0.3039, 0.2992



49.2698, 0.3489, 0.3537

# Complementary

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



49.2698, 0.2857, 0.3343



37.4249, 0.3481, 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.



49.2698, 0.3497, 0.3394



49.2698, 0.2857, 0.3343



49.2698, 0.3233, 0.3085

# Square

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



49.2698, 0.2857, 0.3343



49.2698, 0.2873, 0.2971



49.2698, 0.3402, 0.3230



49.2698, 0.3381, 0.3620



# Rectangle

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



49.2698, 0.2857, 0.3343



49.2698, 0.2764, 0.3071



49.2698, 0.3402, 0.3230



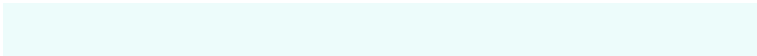
49.2698, 0.3503, 0.3494

# Sweetspot

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



49.2718, 0.2857, 0.3343



94.9190, 0.3042, 0.3305



48.3801, 0.3138, 0.3831



20.7216, 0.3033, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

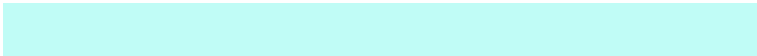


# Same Dimension

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



49.2718, 0.2857, 0.3343



87.7604, 0.2804, 0.3356



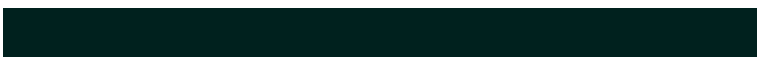
43.1302, 0.2818, 0.3085



11.4101, 0.2998, 0.3314



27.3863, 0.2335, 0.3607



1.1885, 0.2314, 0.3529



# Inverse Universe

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



37.4249, 0.3481, 0.3238



62.4991, 0.3579, 0.3226



42.5733, 0.3483, 0.3487



10.0943, 0.3273, 0.3267



7.5796, 0.6266, 0.3225



0.3333, 0.5853, 0.2998



# Previews

## White Background



This preview shows how the Yxy color 49.2698, 0.2857, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

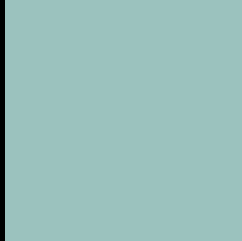
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.2698, 0.2857, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

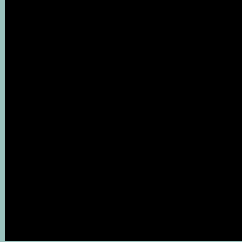
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

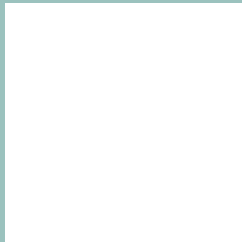
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 49.2698, 0.2857, 0.3343**

## Background



This preview shows how black text looks on a background with the Yxy color 49.2698, 0.2857, 0.3343.

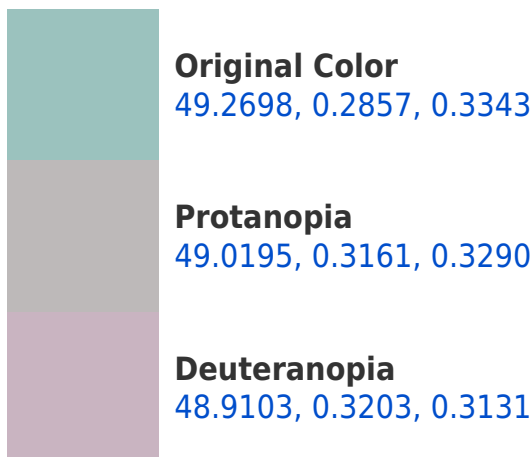


This preview shows how white text looks on a background with the Yxy color 49.2698, 0.2857, 0.3343.

# 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

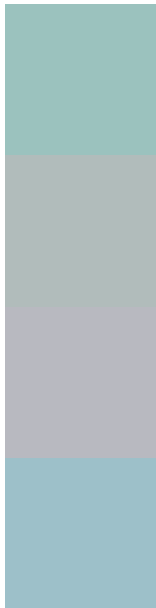




## Tritanopia

49.0357, 0.2763, 0.3080

# Trichromacy



**Original Color**

49.2698, 0.2857, 0.3343

**Protanomaly**

48.9014, 0.3045, 0.3303

**Deuteranomaly**

48.6940, 0.3065, 0.3201

**Tritanomaly**

49.0844, 0.2796, 0.3170

# Monochromacy



**Original Color**

49.2698, 0.2857, 0.3343

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

47.3912, 0.3020, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.2698, 0.2857, 0.3343 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(155, 194, 190)` looks like.

```
.text, #text, p{  
    color:rgb(155, 194, 190)  
}
```

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(155, 194, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 194, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 49.2698, 0.2857, 0.3343 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(155, 194, 190) }
```

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

```
.border{ border-color:rgb(155, 194, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 194, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 194, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 194, 190); box-shadow:4px 4px 4px 4px rgb(155, 194, 190) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.2698, 0.2857, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 194, 190) }
```

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

```
.background{ background-color: rgb(155,  
194, 190) }
```

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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