

# Converting Colors

$Yxy(52.6500, 0.2875, 0.3438)$

Have a look what the booklet for  
Yxy(52.6500, 0.2875, 0.3438)  
contains.

<b>Yxy(52.6591, 0.2876, 0.3435)</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(52.6591, 0.2876, 0.3435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DC9BE
RGB	157, 201, 190
RGB Percent	62%, 79%, 75%
CMY	0.3842, 0.2118, 0.2549
CMYK	0.22, 0.00, 0.05, 0.21
HSL	165°, 29%, 70%
HSV	165°, 22%, 79%
XYZ	44.0895, 52.6591, 56.5530
YIQ	186.5900, -22.6930, -12.7490

# Conversions

## Conversions Part 2

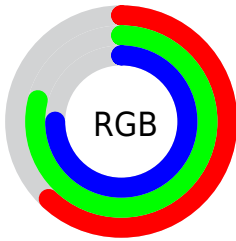
Format	Color
<a href="#">RYB</a>	<a href="#">157, 182, 201</a>
Decimal	<a href="#">10340798</a>
CIELab	<a href="#">77.67, -16.71, 0.74</a>
CIElCh	<a href="#">78, 16.729, 177.467</a>
Yxy	<a href="#">52.6591, 0.2876, 0.3435</a>
Android (android.graphics.Color)	<a href="#">4288530878</a> ( <a href="#">0xFF9DC9BE</a> )
YUV	<a href="#">186.5900, 1.6811, -25.9504</a>
Hunter-Lab	<a href="#">72.5666, -18.5397, 4.5904</a>

# Details

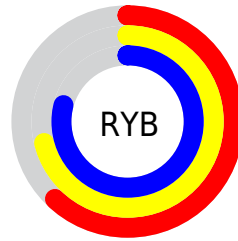
The Yxy color **52.6591, 0.2876, 0.3435** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3705, 0.3458, 0.3150**, and the grayscale version is **49.4552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1709, 0.2919, 0.3382**, and **25.6768, 0.2808, 0.3471** is the 20% darker color. If you saturate the color by 10%, you get **50.5864, 0.2773, 0.3511**, and if you desaturate by 10%, it is **55.0763, 0.2988, 0.3365**.

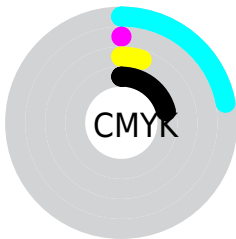
# Distribution



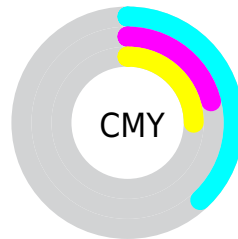
- Red (62%)
- Green (79%)
- Blue (75%)



- Red (62%)
- Yellow (71%)
- Blue (79%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (21%)




- Cyan (38%)
- Magenta (21%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6591, 0.2876, 0.3435 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 52.6591, 0.2876, 0.3435 by changing the saturation by 10% instead.





 52.6591, 0.2876,  
0.3435


 52.6591, 0.2876,  
0.3435

396.9759, 0.2999,  
0.3364

 37.5307, 0.2846,  
0.3452


 94.1025, 0.2920,  
0.3409

 25.6187, 0.2808,  
0.3475


 121.1864, 0.2937,  
0.3400

 16.5386, 0.2758,  
0.3504

153.0242, 0.2951,  
0.3392

 9.9061, 0.2690,  
0.3544

190.0003, 0.2963,  
0.3384

 5.3367, 0.2590,  
0.3602

232.4991, 0.2974,  
0.3378

 2.4461, 0.2433,  
0.3695

280.9050, 0.2983,

 0.8495, 0.1882,

0.3373

0.4003

335.6025, 0.2992,  
0.3368

0.0000, 0.0000,  
0.0000

52.6591, 0.2876,  
0.3435

52.6591, 0.2876,  
0.3435

50.5864, 0.2773,  
0.3511

55.0763, 0.2988,  
0.3365

48.8354, 0.2680,  
0.3593

57.8467, 0.3105,  
0.3301

47.3906, 0.2602,  
0.3679


60.9869, 0.3225,  
0.3244

46.2326, 0.2541,  
0.3770


64.5101, 0.3346,  
0.3193

45.3397, 0.2498,  
0.3862


67.9461, 0.3446,  
0.3147

 44.6870, 0.2475,  
0.3956

 68.2089, 0.3407,  
0.3096

 44.2450, 0.2471,  
0.4049

 68.4797, 0.3369,  
0.3046

 43.9971, 0.2479,  
0.4124

 68.7586, 0.3331,  
0.2996

 69.0457, 0.3294,  
0.2947

# Harmonies

## Analogous

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



52.6591, 0.3083, 0.3609



52.6591, 0.2876, 0.3435



52.6591, 0.2738, 0.3224

# Triad

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



52.6591, 0.2876, 0.3435



52.6591, 0.2939, 0.2921



52.6591, 0.3571, 0.3517

# Complementary

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



52.6591, 0.2876, 0.3435



39.3705, 0.3458, 0.3150

# 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.



52.6591, 0.3531, 0.3334



52.6591, 0.2876, 0.3435



52.6591, 0.3159, 0.2999

# Square

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



52.6591, 0.2876, 0.3435



52.6591, 0.2773, 0.2934



52.6591, 0.3378, 0.3147



52.6591, 0.3488, 0.3649



# Rectangle

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



52.6591, 0.2876, 0.3435



52.6591, 0.2702, 0.3096



52.6591, 0.3378, 0.3147



52.6591, 0.3572, 0.3459

# Sweetspot

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



52.6613, 0.2876, 0.3435



96.4860, 0.3043, 0.3334



52.6159, 0.3190, 0.3878



20.5903, 0.3036, 0.3338



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

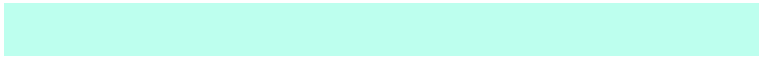


# Same Dimension

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



52.6613, 0.2876, 0.3435



88.4977, 0.2828, 0.3469



48.5363, 0.2795, 0.3153



12.0205, 0.3017, 0.3348



27.6796, 0.2475, 0.4110



1.3217, 0.2422, 0.3918



# Inverse Universe

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



39.3705, 0.3458, 0.3150



61.9480, 0.3547, 0.3120



42.5968, 0.3539, 0.3423



10.6798, 0.3251, 0.3232



7.9666, 0.5907, 0.3028



0.3893, 0.5296, 0.2691



# Previews

## White Background



This preview shows how the Yxy color 52.6591, 0.2876, 0.3435 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 52.6591, 0.2876, 0.3435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

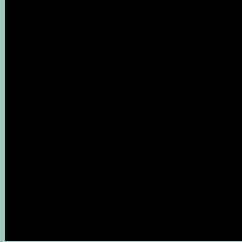
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

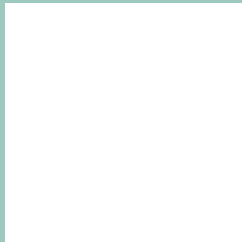
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.6591, 0.2876, 0.3435**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.6591, 0.2876, 0.3435.



This preview shows how white text looks on a background with the Yxy color 52.6591, 0.2876, 0.3435.

# 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

52.6591, 0.2876, 0.3435

### Protanopia

52.4581, 0.3222, 0.3377

### Deuteranopia

52.1035, 0.3267, 0.3195



## Tritanopia

52.8736, 0.2760, 0.3098

# Trichromacy



## Original Color

52.6591, 0.2876, 0.3435

## Protanomaly

52.5205, 0.3090, 0.3404

## Deuteranomaly

52.0145, 0.3112, 0.3278

## Tritanomaly

52.7282, 0.2798, 0.3212

# Monochromacy



## Original Color

52.6591, 0.2876, 0.3435

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.5602, 0.3029, 0.3341

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6591, 0.2876, 0.3435 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(157, 201, 190)` looks like.

```
.text, #text, p{  
    color:rgb(157, 201, 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(157, 201, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 201, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6591, 0.2876, 0.3435 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(157, 201, 190) }
```

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

```
.border{ border-color:rgb(157, 201, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 201, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 201, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 201, 190);  
box-shadow:4px 4px 4px 4px rgb(157, 201,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6591, 0.2876, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 201, 190) }
```

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

```
.background{ background-color: rgb(157,  
201, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor