

# Converting Colors

$Y_{xy}(51.8091, 0.2900, 0.3275)$

Have a look what the booklet for  
Yxy(51.8091, 0.2900, 0.3275)  
contains.

<b>Yxy(51.7266, 0.2898, 0.3276)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(51.7266, 0.2898, 0.3276)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A7C4C5
RGB	167, 196, 197
RGB Percent	65%, 77%, 77%
CMY	0.3451, 0.2314, 0.2273
CMYK	0.15, 0.01, 0.00, 0.23
HSL	182°, 21%, 71%
HSV	182°, 15%, 77%
XYZ	45.7581, 51.7266, 60.4109
YIQ	187.4430, -17.6050, -5.8370

# Conversions

## Conversions Part 2

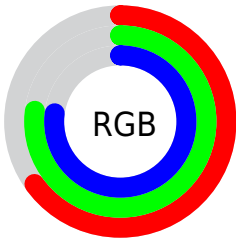
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	167, 182, 197
Decimal	10994885
CIE Lab	77.12, -9.49, -3.80
CIE LCh	77, 10.223, 201.792
Yxy	51.7266, 0.2898, 0.3276
Android (android.graphics.Color)	4289184965 (0xFFA7C4C5)
YUV	187.4430, 4.7116, -17.9285
Hunter-Lab	71.9212, -12.2958, 0.5437

# Details

The Yxy color **51.7266, 0.2898, 0.3276** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6838, 0.3407, 0.3304**, and the grayscale version is **49.9405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9359, 0.2934, 0.3279**, and **24.9740, 0.2843, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **49.4402, 0.2758, 0.3266**, and if you desaturate by 10%, it is **54.3456, 0.3047, 0.3285**.

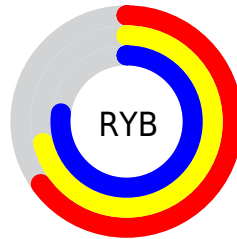
# Distribution



Red (65%)

Green (77%)

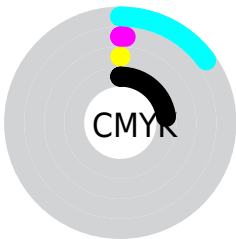
Blue (77%)



Red (65%)

Yellow (71%)

Blue (77%)

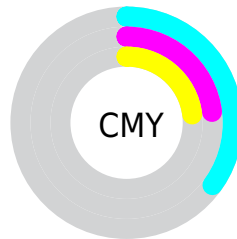


Cyan (15%)

Magenta (1%)

Yellow (0%)

Black (23%)



Cyan (35%)

Magenta (23%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7266, 0.2898, 0.3276 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 51.7266, 0.2898, 0.3276 by changing the saturation by 10% instead.




 51.7266, 0.2898,  
0.3276


 51.7266, 0.2898,  
0.3276


393.3802, 0.3010,  
0.3284

 36.7872, 0.2871,  
0.3274


 92.7279, 0.2938,  
0.3279

 25.0428, 0.2836,  
0.3271


 119.5586, 0.2953,  
0.3280

 16.1089, 0.2791,  
0.3267


151.1219, 0.2966,  
0.3281

 9.6013, 0.2729,  
0.3261

187.8021, 0.2977,  
0.3282

 5.1354, 0.2640,  
0.3251

229.9836, 0.2987,  
0.3282

 2.3269, 0.2499,  
0.3232

278.0509, 0.2996,

 0.7879, 0.2122,

0.3283

332.3883, 0.3003,  
0.3283

0.3233

0.0000, 0.0000,  
0.0000

51.7266, 0.2898,  
0.3276

51.7266, 0.2898,  
0.3276

49.4402, 0.2758,  
0.3266

54.3456, 0.3047,  
0.3285

47.4652, 0.2631,  
0.3255

57.3046, 0.3202,  
0.3294

45.7878, 0.2518,  
0.3244

60.6186, 0.3360,  
0.3302

44.3909, 0.2422,  
0.3233

64.3002, 0.3519,  
0.3309

43.2553, 0.2345,  
0.3221

66.3098, 0.3592,  
0.3316

■ 42.3596, 0.2287,  
0.3210

■ 66.6215, 0.3590,  
0.3323

■ 41.6790, 0.2247,  
0.3199

■ 66.9346, 0.3589,  
0.3330

■ 41.1831, 0.2225,  
0.3188

■ 67.2490, 0.3587,  
0.3336

■ 40.9829, 0.2217,  
0.3182

■ 67.5648, 0.3586,  
0.3343

# Harmonies

## Analogous

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



51.7266, 0.2995, 0.3402



51.7266, 0.2898, 0.3276



51.7266, 0.2862, 0.3158

# Triad

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



51.7266, 0.2898, 0.3276



51.7266, 0.3122, 0.3095



51.7266, 0.3364, 0.3501

# Complementary

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



51.7266, 0.2898, 0.3276



42.6838, 0.3407, 0.3304

# 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.



51.7266, 0.3400, 0.3414



51.7266, 0.2898, 0.3276



51.7266, 0.3259, 0.3182

# Square

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



51.7266, 0.2898, 0.3276



51.7266, 0.2989, 0.3057



51.7266, 0.3361, 0.3297



51.7266, 0.3263, 0.3533



# Rectangle

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



51.7266, 0.2898, 0.3276



51.7266, 0.2876, 0.3099



51.7266, 0.3361, 0.3297



51.7266, 0.3384, 0.3477

# Sweetspot

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



51.7287, 0.2898, 0.3276



97.3835, 0.3049, 0.3286



50.9888, 0.3101, 0.3679



20.7681, 0.3038, 0.3285



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.



51.7287, 0.2898, 0.3276



91.3119, 0.2854, 0.3273



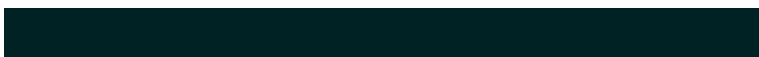
45.3044, 0.2891, 0.3078



12.0029, 0.2984, 0.3282



26.9744, 0.2218, 0.3184



1.2972, 0.2224, 0.3207



# Inverse Universe

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



43.5010, 0.3153, 0.2930



74.0293, 0.3159, 0.2857



48.5393, 0.3379, 0.3493



10.8101, 0.3143, 0.3070



10.2631, 0.3296, 0.1589



0.4880, 0.3276, 0.1578



# Previews

## White Background



This preview shows how the Yxy color 51.7266, 0.2898, 0.3276 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

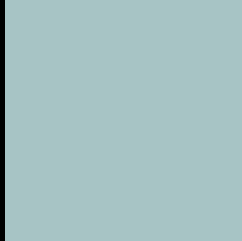
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.7266, 0.2898, 0.3276 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

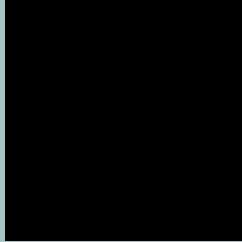
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

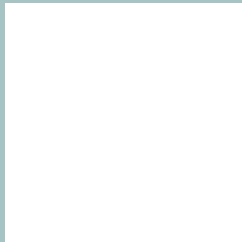
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.7266, 0.2898, 0.3276**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.7266, 0.2898, 0.3276.

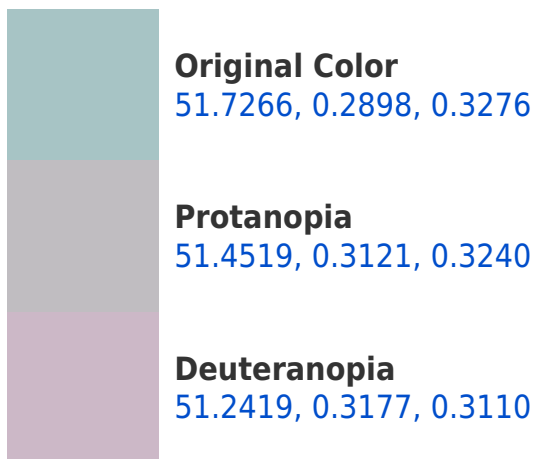


This preview shows how white text looks on a background with the Yxy color 51.7266, 0.2898, 0.3276.

# 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

51.6717, 0.2825, 0.3086

# Trichromacy



## Original Color

51.7266, 0.2898, 0.3276

## Protanomaly

51.6616, 0.3040, 0.3265

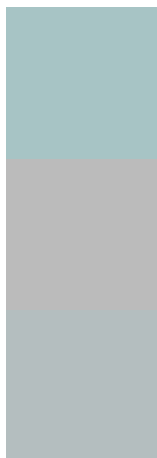
## Deuteranomaly

51.1200, 0.3076, 0.3166

## Tritanomaly

51.7628, 0.2851, 0.3161

# Monochromacy



## Original Color

51.7266, 0.2898, 0.3276

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.2918, 0.3039, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7266, 0.2898, 0.3276 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(167, 196, 197)` looks like.

```
.text, #text, p{  
    color:rgb(167, 196, 197)  
}
```

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(167, 196, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 196, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7266, 0.2898, 0.3276 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(167, 196, 197) }
```

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

```
.border{ border-color:rgb(167, 196, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 196, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 196, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 196, 197);  
box-shadow:4px 4px 4px 4px rgb(167, 196,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7266, 0.2898, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 196, 197) }
```

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

```
.background{ background-color: rgb(167,  
196, 197) }
```

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