

# Converting Colors

$Yxy(50.8713, 0.2889, 0.3345)$

Have a look what the booklet for  
Yxy(50.8713, 0.2889, 0.3345)  
contains.

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# Color

**Yxy(50.8627, 0.2888, 0.3342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C4C0
RGB	161, 196, 192
RGB Percent	63%, 77%, 75%
CMY	0.3686, 0.2314, 0.2470
CMYK	0.18, 0.00, 0.02, 0.23
HSL	173°, 23%, 70%
HSV	173°, 18%, 77%
XYZ	43.9532, 50.8627, 57.3765
YIQ	185.0790, -19.5760, -8.6640

# Conversions

## Conversions Part 2

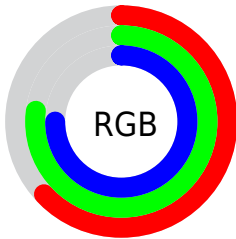
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 180, 196
Decimal	10601664
CIELab	76.60, -12.47, -1.90
CIELCh	77, 12.611, 188.643
Yxy	50.8627, 0.2888, 0.3342
Android (android.graphics.Color)	4288791744 (0xFFA1C4C0)
YUV	185.0790, 3.4121, -21.1173
Hunter-Lab	71.3181, -14.7975, 2.2229

# Details

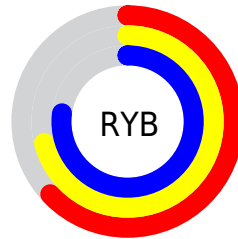
The Yxy color **50.8627, 0.2888, 0.3342** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.9426, 0.3430, 0.3239**, and the grayscale version is **48.5522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6268, 0.2931, 0.3341**, and **24.4613, 0.2821, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **48.8872, 0.2766, 0.3375**, and if you desaturate by 10%, it is **53.1631, 0.3019, 0.3312**.

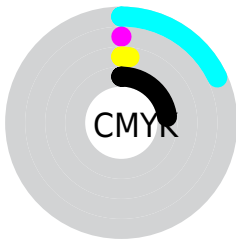
# Distribution



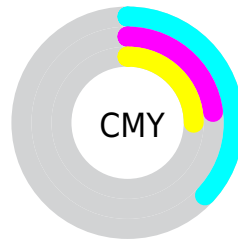
- Red (63%)
- Green (77%)
- Blue (75%)



- Red (63%)
- Yellow (71%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (2%)
- Black (23%)




- Cyan (37%)
- Magenta (23%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8627, 0.2888, 0.3342 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 50.8627, 0.2888, 0.3342 by changing the saturation by 10% instead.





 50.8627, 0.2888,  
0.3342

 50.8627, 0.2888,  
0.3342


390.0301, 0.3005,  
0.3317

 36.0993, 0.2859,  
0.3348


 91.4518, 0.2930,  
0.3333

 24.5109, 0.2823,  
0.3355


 118.0463, 0.2946,  
0.3330

 15.7131, 0.2775,  
0.3365


149.3534, 0.2960,  
0.3327

 9.3213, 0.2709,  
0.3378

185.7573, 0.2971,  
0.3324

 4.9514, 0.2614,  
0.3396

227.6426, 0.2982,  
0.3322

 2.2188, 0.2461,  
0.3422

275.3935, 0.2990,

 0.7302, 0.1903,

0.3320

0.3566

329.3946, 0.2998,  
0.3319

0.0000, 0.0000,  
0.0000

50.8627, 0.2888,  
0.3342

50.8627, 0.2888,  
0.3342

48.8872, 0.2766,  
0.3375

53.1631, 0.3019,  
0.3312

47.2155, 0.2655,  
0.3410

55.7960, 0.3157,  
0.3284

45.8336, 0.2559,  
0.3446

58.7764, 0.3298,  
0.3260

44.7241, 0.2480,  
0.3485

62.1169, 0.3440,  
0.3238

43.8676, 0.2419,  
0.3524

65.0620, 0.3549,  
0.3217

■ 43.2422, 0.2377,  
0.3563

■ 65.1694, 0.3531,  
0.3194

■ 42.8223, 0.2354,  
0.3603

■ 65.2784, 0.3514,  
0.3171

■ 42.5697, 0.2348,  
0.3642

■ 65.3890, 0.3496,  
0.3148

■ 42.5239, 0.2347,  
0.3650

■ 65.5011, 0.3478,  
0.3126

# Harmonies

## Analogous

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



50.8627, 0.3032, 0.3489



50.8627, 0.2888, 0.3342



50.8627, 0.2808, 0.3185

# Triad

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



50.8627, 0.2888, 0.3342



50.8627, 0.3044, 0.3020



50.8627, 0.3452, 0.3509

# Complementary

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



50.8627, 0.2888, 0.3342



39.9426, 0.3430, 0.3239

# 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.



50.8627, 0.3457, 0.3381



50.8627, 0.2888, 0.3342



50.8627, 0.3218, 0.3103

# Square

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



50.8627, 0.2888, 0.3342



50.8627, 0.2896, 0.3004



50.8627, 0.3370, 0.3233



50.8627, 0.3358, 0.3584



# Rectangle

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



50.8627, 0.2888, 0.3342



50.8627, 0.2801, 0.3097



50.8627, 0.3370, 0.3233



50.8627, 0.3464, 0.3471

# Sweetspot

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



50.8648, 0.2888, 0.3342



97.5682, 0.3057, 0.3304



50.0630, 0.3137, 0.3765



20.8132, 0.3047, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

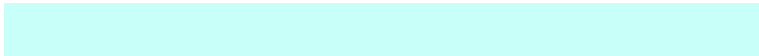


# Same Dimension

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



50.8648, 0.2888, 0.3342



90.8329, 0.2844, 0.3353



45.2592, 0.2852, 0.3110



11.4080, 0.2999, 0.3316



27.3306, 0.2346, 0.3644



1.1866, 0.2322, 0.3557



# Inverse Universe

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



39.9426, 0.3430, 0.3239



67.7756, 0.3504, 0.3228



44.7435, 0.3438, 0.3464



10.0962, 0.3271, 0.3264



7.5855, 0.6246, 0.3214



0.3341, 0.5800, 0.2969



# Previews

## White Background



This preview shows how the Yxy color 50.8627, 0.2888, 0.3342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

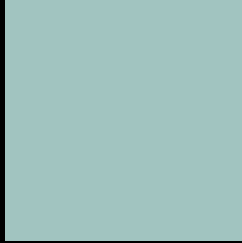
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.8627, 0.2888, 0.3342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

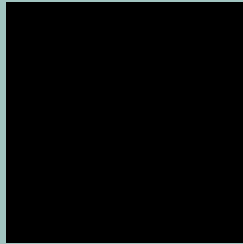
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

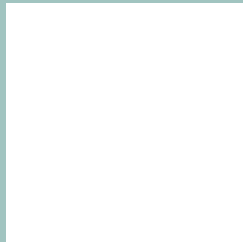
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.8627, 0.2888, 0.3342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.8627, 0.2888, 0.3342.

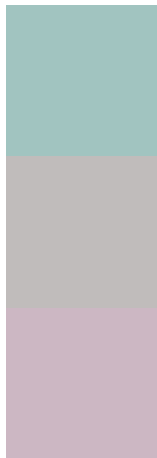


This preview shows how white text looks on a background with the Yxy color 50.8627, 0.2888, 0.3342.

# 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

50.8627, 0.2888, 0.3342

### Protanopia

50.7608, 0.3168, 0.3303

### Deuteranopia

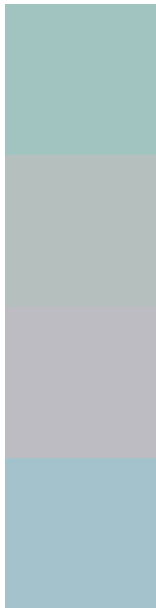
50.6445, 0.3210, 0.3145



## Tritanopia

50.6359, 0.2795, 0.3084

# Trichromacy



## Original Color

50.8627, 0.2888, 0.3342

## Protanomaly

50.7595, 0.3061, 0.3315

## Deuteranomaly

50.5528, 0.3082, 0.3215

## Tritanomaly

50.6819, 0.2828, 0.3172

# Monochromacy



## Original Color

50.8627, 0.2888, 0.3342

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

49.2561, 0.3029, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.8627, 0.2888, 0.3342 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(161, 196, 192)` looks like.

```
.text, #text, p{  
    color:rgb(161, 196, 192)  
}
```

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(161, 196, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 196, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8627, 0.2888, 0.3342 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(161, 196, 192) }
```

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

```
.border{ border-color:rgb(161, 196, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 196, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 196, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 196, 192); box-shadow:4px 4px 4px 4px rgb(161, 196, 192) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8627, 0.2888, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 196, 192) }
```

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

```
.background{ background-color: rgb(161,  
196, 192) }
```

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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