

# Converting Colors

Yxy(53.9506, 0.2811, 0.3392)

Have a look what the booklet for  
Yxy(53.9506, 0.2811, 0.3392)  
contains.

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# Color

**Yxy(53.9436, 0.2812, 0.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	99CCC4
RGB	153, 204, 196
RGB Percent	60%, 80%, 77%
CMY	0.4001, 0.2000, 0.2312
CMYK	0.25, 0.00, 0.04, 0.20
HSL	171°, 33%, 70%
HSV	171°, 25%, 80%
XYZ	44.6934, 53.9436, 60.3011
YIQ	187.8390, -27.8280, -13.3000

# Conversions

## Conversions Part 2

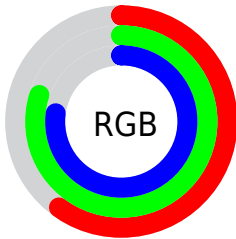
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 181, 204
Decimal	10079428
CIELab	78.43, -18.21, -1.43
CIELCh	78, 18.266, 184.503
Yxy	53.9436, 0.2812, 0.3394
Android (android.graphics.Color)	4288269508 (0xFF99CCC4)
YUV	187.8390, 4.0234, -30.5538
Hunter-Lab	73.4463, -19.9106, 2.7339

# Details

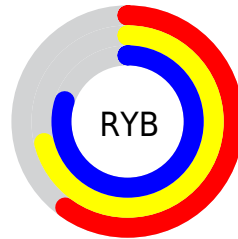
The Yxy color **53.9436, 0.2812, 0.3394** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.1853, 0.3568, 0.3190**, and the grayscale version is **50.1817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0217, 0.2860, 0.3310**, and **26.4750, 0.2729, 0.3433** is the 20% darker color. If you saturate the color by 10%, you get **51.9842, 0.2702, 0.3442**, and if you desaturate by 10%, it is **56.2498, 0.2933, 0.3350**.

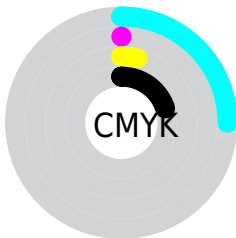
# Distribution



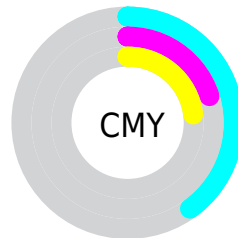
- Red (60%)
- Green (80%)
- Blue (77%)



- Red (60%)
- Yellow (71%)
- Blue (80%)



- Cyan (25%)
- Magenta (0%)
- Yellow (4%)
- Black (20%)



- Cyan (40%)
- Magenta (20%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9436, 0.2812, 0.3394 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 53.9436, 0.2812, 0.3394 by changing the saturation by 10% instead.



■ 53.9436, 0.2812,  
0.3394

■ 53.9436, 0.2812,  
0.3394

401.8949, 0.2965,  
0.3344

■ 38.5566, 0.2775,  
0.3406

■ 95.9914, 0.2867,  
0.3376

■ 26.4149, 0.2728,  
0.3421

■ 123.4210, 0.2887,  
0.3370

■ 17.1343, 0.2668,  
0.3440

155.6336, 0.2905,  
0.3364

■ 10.3303, 0.2585,  
0.3466

193.0135, 0.2920,  
0.3359

■ 5.6185, 0.2467,  
0.3502

235.9452, 0.2934,  
0.3354

■ 2.6145, 0.2283,  
0.3557

284.8131, 0.2945,

■ 0.9340, 0.1769,

0.3351

0.3735

340.0015, 0.2956,  
0.3347

0.0000, 0.0000,  
0.0000

53.9436, 0.2812,  
0.3394

53.9436, 0.2812,  
0.3394

51.9842, 0.2702,  
0.3442

56.2498, 0.2933,  
0.3350

50.3478, 0.2605,  
0.3492

58.9123, 0.3061,  
0.3309

49.0177, 0.2524,  
0.3545

61.9484, 0.3194,  
0.3272

47.9732, 0.2461,  
0.3600

65.3721, 0.3330,  
0.3239

47.1910, 0.2417,  
0.3655

69.1969, 0.3465,  
0.3210

■ 46.6441, 0.2393,  
0.3711

■ 69.3627, 0.3441,  
0.3177

■ 46.2995, 0.2386,  
0.3766

■ 69.5283, 0.3417,  
0.3145

■ 46.1723, 0.2387,  
0.3794

■ 69.6971, 0.3393,  
0.3113

■ 69.8691, 0.3369,  
0.3081

# Harmonies

## Analogous

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



53.9436, 0.3022, 0.3600



53.9436, 0.2812, 0.3394



53.9436, 0.2687, 0.3166

# Triad

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



53.9436, 0.2812, 0.3394



53.9436, 0.2975, 0.2903



53.9436, 0.3599, 0.3575

# Complementary

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



53.9436, 0.2812, 0.3394



38.1853, 0.3568, 0.3190

# 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.



53.9436, 0.3588, 0.3385



53.9436, 0.2812, 0.3394



53.9436, 0.3220, 0.3007

# Square

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



53.9436, 0.2812, 0.3394



53.9436, 0.2778, 0.2893



53.9436, 0.3447, 0.3181



53.9436, 0.3479, 0.3699



# Rectangle

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



53.9436, 0.2812, 0.3394



53.9436, 0.2666, 0.3036



53.9436, 0.3447, 0.3181



53.9436, 0.3611, 0.3517

# Sweetspot

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



53.9458, 0.2812, 0.3394



96.1306, 0.3021, 0.3321



53.1150, 0.3158, 0.3981



20.4298, 0.3001, 0.3327



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.



53.9458, 0.2812, 0.3394



87.5183, 0.2751, 0.3419



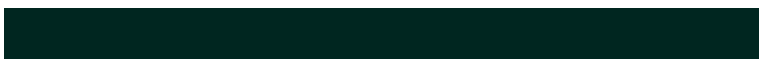
46.6695, 0.2743, 0.3062



12.6958, 0.3004, 0.3326



29.0709, 0.2385, 0.3786



1.5081, 0.2355, 0.3678



# Inverse Universe

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



38.1853, 0.3568, 0.3190



57.0375, 0.3698, 0.3167



43.8824, 0.3598, 0.3507



11.2418, 0.3266, 0.3254



8.1541, 0.6165, 0.3170



0.4299, 0.5679, 0.2902



# Previews

## White Background



This preview shows how the Yxy color 53.9436, 0.2812, 0.3394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

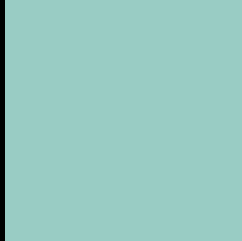
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.9436, 0.2812, 0.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

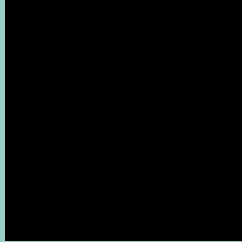
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

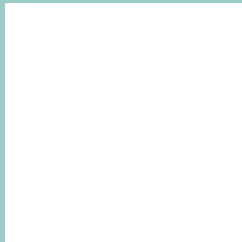
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.9436, 0.2812, 0.3394**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9436, 0.2812, 0.3394.

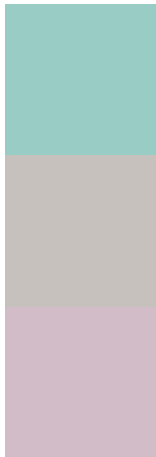


This preview shows how white text looks on a background with the Yxy color 53.9436, 0.2812, 0.3394.

# 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

53.9436, 0.2812, 0.3394

### Protanopia

53.8198, 0.3198, 0.3339

### Deuteranopia

53.6453, 0.3216, 0.3160



## Tritanopia

53.9511, 0.2706, 0.3086

# Trichromacy



## Original Color

53.9436, 0.2812, 0.3394

## Protanomaly

53.6834, 0.3046, 0.3353

## Deuteranomaly

53.4796, 0.3058, 0.3240

## Tritanomaly

53.9124, 0.2750, 0.3199

# Monochromacy



## Original Color

53.9436, 0.2812, 0.3394

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.4591, 0.2999, 0.3328

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9436, 0.2812, 0.3394 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(153, 204, 196)` looks like.

```
.text, #text, p{  
    color:rgb(153, 204, 196)  
}
```

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(153, 204, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 204, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9436, 0.2812, 0.3394 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(153, 204, 196) }
```

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

```
.border{ border-color:rgb(153, 204, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 204, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 204, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 204, 196);  
box-shadow:4px 4px 4px 4px rgb(153, 204,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9436, 0.2812, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 204, 196) }
```

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

```
.background{ background-color: rgb(153,  
204, 196) }
```

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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