

# Converting Colors

$Y_{xy}(54.0509, 0.2789, 0.3357)$

Have a look what the booklet for  
Yxy(54.0509, 0.2789, 0.3357)  
contains.

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# Color

**Yxy(53.9847, 0.2787, 0.3355)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98CCC7
RGB	152, 204, 199
RGB Percent	60%, 80%, 78%
CMY	0.4040, 0.2000, 0.2197
CMYK	0.26, 0.00, 0.02, 0.20
HSL	174°, 34%, 70%
HSV	174°, 26%, 80%
XYZ	44.8451, 53.9847, 62.0784
YIQ	187.8820, -29.3870, -12.5790

# Conversions

## Conversions Part 2

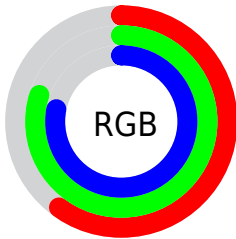
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 179, 204
Decimal	10013895
CIELab	78.45, -17.87, -2.99
CIELCh	78, 18.122, 189.499
Yxy	53.9847, 0.2787, 0.3355
Android (android.graphics.Color)	4288203975 (0xFF98CC7)
YUV	187.8820, 5.4812, -31.4685
Hunter-Lab	73.4743, -19.6323, 1.3379

# Details

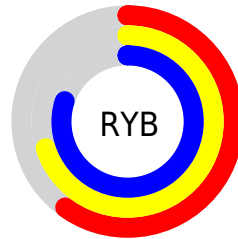
The Yxy color **53.9847, 0.2787, 0.3355** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.7218, 0.3611, 0.3227**, and the grayscale version is **50.1975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **26.5097, 0.2697, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **52.0942, 0.2672, 0.3384**, and if you desaturate by 10%, it is **56.2193, 0.2914, 0.3328**.

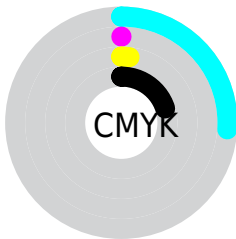
# Distribution



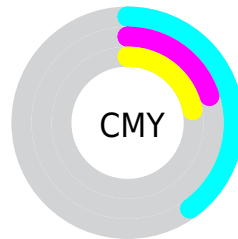
- Red (60%)
- Green (80%)
- Blue (78%)



- Red (60%)
- Yellow (70%)
- Blue (80%)



- Cyan (26%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)



- Cyan (40%)
- Magenta (20%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9847, 0.2787, 0.3355 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 53.9847, 0.2787, 0.3355 by changing the saturation by 10% instead.




 53.9847, 0.2787,  
0.3355


 53.9847, 0.2787,  
0.3355


402.0517, 0.2952,  
0.3325

 38.5894, 0.2747,  
0.3362


 96.0518, 0.2846,  
0.3345

 26.4405, 0.2697,  
0.3370


 123.4924, 0.2868,  
0.3340

 17.1535, 0.2632,  
0.3381


155.7169, 0.2887,  
0.3337

 10.3440, 0.2544,  
0.3395

193.1097, 0.2904,  
0.3334

 5.6276, 0.2418,  
0.3413

236.0552, 0.2918,  
0.3331

 2.6200, 0.2224,  
0.3438

284.9377, 0.2931,

 0.9367, 0.1715,

0.3329

0.3545

340.1418, 0.2942,  
0.3327

0.0000, 0.0000,  
0.0000

53.9847, 0.2787,  
0.3355

53.9847, 0.2787,  
0.3355

52.0942, 0.2672,  
0.3384

56.2193, 0.2914,  
0.3328

50.5239, 0.2570,  
0.3415

58.8076, 0.3050,  
0.3303

49.2571, 0.2486,  
0.3447

61.7668, 0.3191,  
0.3280

48.2730, 0.2419,  
0.3480

65.1111, 0.3336,  
0.3260

47.5481, 0.2372,  
0.3513

68.8539, 0.3481,  
0.3241

■ 47.0553, 0.2344,  
0.3546

■ 69.1448, 0.3474,  
0.3222

■ 46.7609, 0.2333,  
0.3579

■ 69.2442, 0.3459,  
0.3201

■ 46.6644, 0.2332,  
0.3593

■ 69.3448, 0.3444,  
0.3181

■ 69.4466, 0.3429,  
0.3162

# Harmonies

## Analogous

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



53.9847, 0.2984, 0.3568



53.9847, 0.2787, 0.3355



53.9847, 0.2681, 0.3132

# Triad

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



53.9847, 0.2787, 0.3355



53.9847, 0.3015, 0.2917



53.9847, 0.3584, 0.3599

# Complementary

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



53.9847, 0.2787, 0.3355



37.7218, 0.3611, 0.3227

# 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.



53.9847, 0.3595, 0.3418



53.9847, 0.2787, 0.3355



53.9847, 0.3260, 0.3034

# Square

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



53.9847, 0.2787, 0.3355



53.9847, 0.2808, 0.2890



53.9847, 0.3475, 0.3214



53.9847, 0.3446, 0.3707



# Rectangle

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



53.9847, 0.2787, 0.3355



53.9847, 0.2673, 0.3012



53.9847, 0.3475, 0.3214



53.9847, 0.3603, 0.3545

# Sweetspot

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



53.9869, 0.2787, 0.3355



96.2078, 0.3014, 0.3309



52.6434, 0.3132, 0.4002



20.4494, 0.2993, 0.3313



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

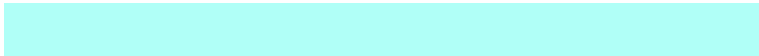


# Same Dimension

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



53.9869, 0.2787, 0.3355



87.4820, 0.2717, 0.3372



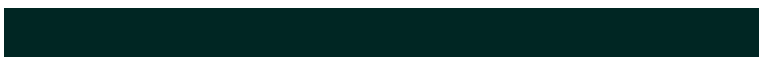
44.9814, 0.2731, 0.3009



12.7076, 0.2996, 0.3312



29.3751, 0.2330, 0.3589



1.5210, 0.2312, 0.3524



# Inverse Universe

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



37.7218, 0.3611, 0.3227



55.7345, 0.3767, 0.3212



44.9117, 0.3599, 0.3554



11.2310, 0.3275, 0.3268



8.1175, 0.6279, 0.3233

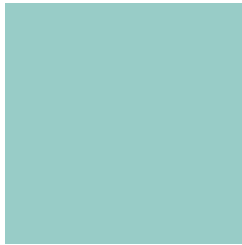


0.4249, 0.5928, 0.3039



# Previews

## White Background



This preview shows how the Yxy color 53.9847, 0.2787, 0.3355 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

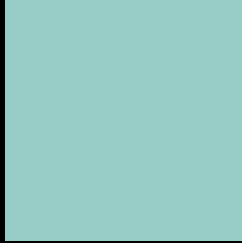
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.9847, 0.2787, 0.3355 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

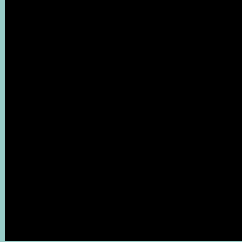
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

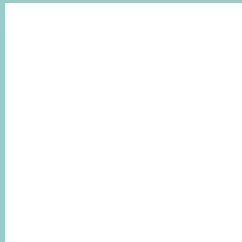
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.9847, 0.2787, 0.3355**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9847, 0.2787, 0.3355.



This preview shows how white text looks on a background with the Yxy color 53.9847, 0.2787, 0.3355.

# 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

53.9847, 0.2787, 0.3355

### Protanopia

53.8160, 0.3167, 0.3302

### Deuteranopia

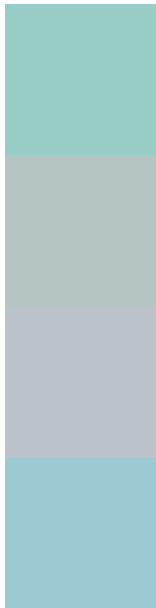
53.6406, 0.3184, 0.3125



## Tritanopia

53.8510, 0.2700, 0.3086

# Trichromacy



**Original Color**

53.9847, 0.2787, 0.3355

**Protanomaly**

53.6964, 0.3017, 0.3315

**Deuteranomaly**

53.4920, 0.3029, 0.3203

**Tritanomaly**

53.8628, 0.2737, 0.3186

# Monochromacy



**Original Color**

53.9847, 0.2787, 0.3355

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

51.5033, 0.2992, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9847, 0.2787, 0.3355 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(152, 204, 199)` looks like.

```
.text, #text, p{  
    color:rgb(152, 204, 199)  
}
```

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(152, 204, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 204, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9847, 0.2787, 0.3355 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(152, 204, 199) }
```

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

```
.border{ border-color:rgb(152, 204, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 204, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 204, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 204, 199); box-shadow:4px 4px 4px 4px rgb(152, 204, 199) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9847, 0.2787, 0.3355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 204, 199) }
```

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

```
.background{ background-color: rgb(152,  
204, 199) }
```

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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