

# Converting Colors

$Y_{xy}(54.4760, 0.2830, 0.3480)$

Have a look what the booklet for  
Yxy(54.4760, 0.2830, 0.3480)  
contains.

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# Color

**Yxy(54.5277, 0.2826, 0.3475)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97CEC0
RGB	151, 206, 192
RGB Percent	59%, 81%, 75%
CMY	0.4079, 0.1921, 0.2471
CMYK	0.27, 0.00, 0.07, 0.19
HSL	165°, 36%, 70%
HSV	165°, 27%, 81%
XYZ	44.3440, 54.5277, 58.0426
YIQ	187.9590, -28.2860, -16.0140

# Conversions

## Conversions Part 2

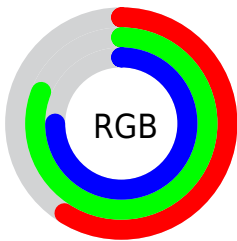
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 183, 206
Decimal	9948864
CIELab	78.77, -20.69, 1.23
CIElCh	79, 20.726, 176.603
Yxy	54.5277, 0.2826, 0.3475
Android (android.graphics.Color)	4288138944 (0xFF97CEC0)
YUV	187.9590, 1.9922, -32.4130
Hunter-Lab	73.8429, -22.0326, 5.0864

# Details

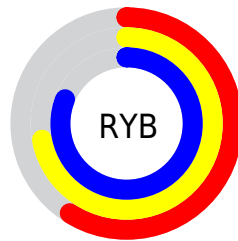
The Yxy color **54.5277, 0.2826, 0.3475** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.9695, 0.3552, 0.3114**, and the grayscale version is **50.2642, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4191, 0.2874, 0.3362**, and **26.9172, 0.2740, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **52.4995, 0.2728, 0.3556**, and if you desaturate by 10%, it is **56.9130, 0.2934, 0.3400**.

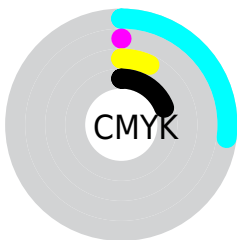
# Distribution



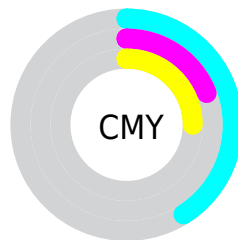
- Red (59%)
- Green (81%)
- Blue (75%)



- Red (59%)
- Yellow (72%)
- Blue (81%)



- Cyan (27%)
- Magenta (0%)
- Yellow (7%)
- Black (19%)




- Cyan (41%)
- Magenta (19%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.5277, 0.2826, 0.3475 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 54.5277, 0.2826, 0.3475 by changing the saturation by 10% instead.




 54.5277, 0.2826,  
0.3475

 54.5277, 0.2826,  
0.3475

404.1191, 0.2973,  
0.3385

 39.0237, 0.2791,  
0.3497

 96.8486, 0.2878,  
0.3443

 26.7782, 0.2746,  
0.3525


 124.4343, 0.2898,  
0.3430

 17.4067, 0.2687,  
0.3562


156.8161, 0.2915,  
0.3420

 10.5249, 0.2607,  
0.3612

194.3783, 0.2930,  
0.3411

 5.7483, 0.2492,  
0.3685

237.5053, 0.2943,  
0.3403

 2.6927, 0.2313,  
0.3800

286.5815, 0.2954,

 0.9735, 0.1768,

0.3396

0.4121

341.9913, 0.2964,  
0.3390

0.0000, 0.0000,  
0.0000

54.5277, 0.2826,  
0.3475

54.5277, 0.2826,  
0.3475

52.4995, 0.2728,  
0.3556

56.9130, 0.2934,  
0.3400

50.8038, 0.2643,  
0.3642

59.6655, 0.3048,  
0.3332

49.4232, 0.2573,  
0.3732

62.8031, 0.3166,  
0.3270

48.3359, 0.2521,  
0.3826

66.3403, 0.3287,  
0.3215

47.5175, 0.2488,  
0.3921

70.2912, 0.3407,  
0.3166

■ 46.9393, 0.2475,  
0.4017

■ 70.7619, 0.3375,  
0.3114

■ 46.5641, 0.2480,  
0.4111

■ 71.0505, 0.3336,  
0.3062

■ 46.4626, 0.2484,  
0.4142

■ 71.3481, 0.3298,  
0.3010

■ 71.6546, 0.3260,  
0.2959

# Harmonies

## Analogous

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



54.5277, 0.3079, 0.3689



54.5277, 0.2826, 0.3475



54.5277, 0.2657, 0.3213

# Triad

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



54.5277, 0.2826, 0.3475



54.5277, 0.2889, 0.2841



54.5277, 0.3673, 0.3558

# Complementary

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



54.5277, 0.2826, 0.3475



37.9695, 0.3552, 0.3114

# 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.



54.5277, 0.3620, 0.3334



54.5277, 0.2826, 0.3475



54.5277, 0.3157, 0.2933

# Square

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



54.5277, 0.2826, 0.3475



54.5277, 0.2692, 0.2858



54.5277, 0.3428, 0.3110



54.5277, 0.3573, 0.3725



# Rectangle

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



54.5277, 0.2826, 0.3475



54.5277, 0.2611, 0.3055



54.5277, 0.3428, 0.3110



54.5277, 0.3673, 0.3487

# Sweetspot

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



54.5299, 0.2826, 0.3475



96.0036, 0.3032, 0.3341



54.4513, 0.3202, 0.4026



20.3977, 0.3014, 0.3351



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

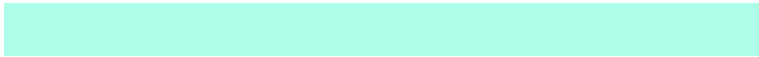


# Same Dimension

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



54.5299, 0.2826, 0.3475



86.4013, 0.2769, 0.3520



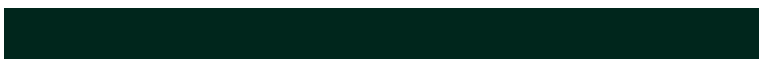
49.2502, 0.2724, 0.3119



12.6763, 0.3017, 0.3350



28.6237, 0.2480, 0.4128



1.4885, 0.2429, 0.3944



# Inverse Universe

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



37.9695, 0.3552, 0.3114



55.2053, 0.3677, 0.3074



41.8456, 0.3656, 0.3454



11.2598, 0.3251, 0.3231



8.2491, 0.5895, 0.3021



0.4382, 0.5323, 0.2706



# Previews

## White Background



This preview shows how the Yxy color 54.5277, 0.2826, 0.3475 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 54.5277, 0.2826, 0.3475 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

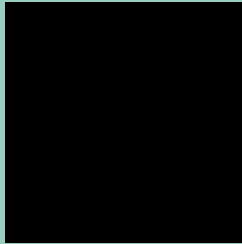
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

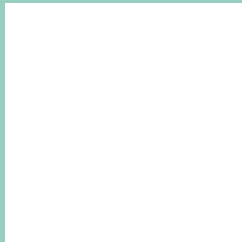
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.5277, 0.2826, 0.3475**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.5277, 0.2826, 0.3475.

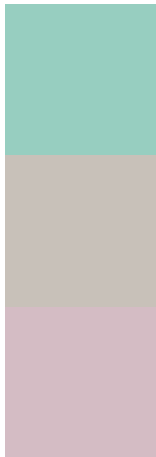


This preview shows how white text looks on a background with the Yxy color 54.5277, 0.2826, 0.3475.

# 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

54.5277, 0.2826, 0.3475

### Protanopia

53.9221, 0.3245, 0.3388

### Deuteranopia

53.9490, 0.3264, 0.3196



## Tritanopia

54.3709, 0.2695, 0.3086

# Trichromacy



## Original Color

54.5277, 0.2826, 0.3475

## Protanomaly

53.9641, 0.3074, 0.3416

## Deuteranomaly

53.9175, 0.3088, 0.3290

## Tritanomaly

54.1853, 0.2738, 0.3212

# Monochromacy



## Original Color

54.5277, 0.2826, 0.3475

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.8183, 0.3014, 0.3367

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.5277, 0.2826, 0.3475 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(151, 206, 192)` looks like.

```
.text, #text, p{  
    color:rgb(151, 206, 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(151, 206, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 206, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 54.5277, 0.2826, 0.3475 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(151, 206, 192) }
```

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

```
.border{ border-color:rgb(151, 206, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 206, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 206, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 206, 192);  
box-shadow:4px 4px 4px 4px rgb(151, 206,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.5277, 0.2826, 0.3475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 206, 192) }
```

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

```
.background{ background-color: rgb(151,  
206, 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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