

# Converting Colors

$Yxy(54.1061, 0.2837, 0.3600)$

Have a look what the booklet for  
Yxy(54.1061, 0.2837, 0.3600)  
contains.

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# Color

**Yxy(54.1061, 0.2837, 0.3600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91CFB8
RGB	145, 207, 184
RGB Percent	57%, 81%, 72%
CMY	0.4315, 0.1882, 0.2784
CMYK	0.30, 0.00, 0.11, 0.19
HSL	158°, 39%, 69%
HSV	158°, 30%, 81%
XYZ	42.6386, 54.1061, 53.5500
YIQ	185.8400, -29.5690, -20.2970

# Conversions

## Conversions Part 2

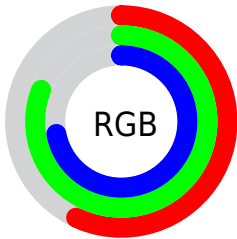
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 183, 207
Decimal	9555896
CIELab	78.52, -24.67, 5.10
CIELCh	79, 25.193, 168.314
Yxy	54.1061, 0.2837, 0.3600
Android (android.graphics.Color)	4287745976 (0xFF91CFB8)
YUV	185.8400, -0.9071, -35.8167
Hunter-Lab	73.5568, -25.2536, 8.3262

# Details

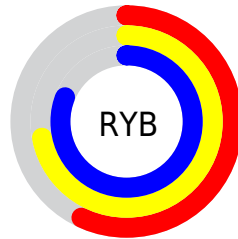
The Yxy color **54.1061, 0.2837, 0.3600** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.3347, 0.3546, 0.3002**, and the grayscale version is **49.0244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0906, 0.2883, 0.3448**, and **26.3705, 0.2756, 0.3681** is the 20% darker color. If you saturate the color by 10%, you get **52.0833, 0.2755, 0.3723**, and if you desaturate by 10%, it is **56.4934, 0.2928, 0.3486**.

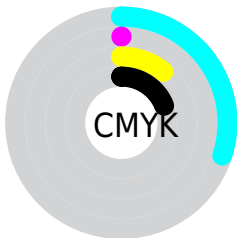
# Distribution



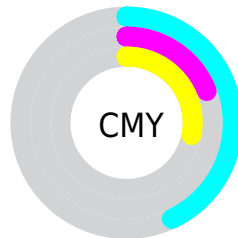
- Red (57%)
- Green (81%)
- Blue (72%)



- Red (57%)
- Yellow (72%)
- Blue (81%)



- Cyan (30%)
- Magenta (0%)
- Yellow (11%)
- Black (19%)




- Cyan (43%)
- Magenta (19%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1061, 0.2837, 0.3600 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 54.1061, 0.2837, 0.3600 by changing the saturation by 10% instead.





 54.1061, 0.2837,  
0.3600

 54.1061, 0.2837,  
0.3600


402.5145, 0.2980,  
0.3446

 38.6865, 0.2802,  
0.3638

 96.2300, 0.2888,  
0.3544

 26.5159, 0.2758,  
0.3687


 123.7031, 0.2908,  
0.3523

 17.2100, 0.2699,  
0.3752


155.9628, 0.2924,  
0.3505

 10.3843, 0.2619,  
0.3843

193.3935, 0.2939,  
0.3490

 5.6545, 0.2501,  
0.3976

236.3797, 0.2951,  
0.3477

 2.6362, 0.2315,  
0.4195

285.3056, 0.2962,

 0.9449, 0.1542,

0.3465

0.4947

340.5557, 0.2971,  
0.3455

0.0000, 0.0000,  
0.0000

54.1061, 0.2837,  
0.3600

54.1061, 0.2837,  
0.3600

52.0833, 0.2755,  
0.3723

56.4934, 0.2928,  
0.3486

50.3994, 0.2685,  
0.3855

59.2561, 0.3026,  
0.3383

49.0359, 0.2630,  
0.3993

62.4126, 0.3127,  
0.3290

47.9700, 0.2594,  
0.4135

65.9783, 0.3230,  
0.3206

47.1753, 0.2577,  
0.4279

69.9678, 0.3332,  
0.3133

■ 46.6210, 0.2580,  
0.4422

■ 71.6061, 0.3326,  
0.3059

■ 46.2501, 0.2601,  
0.4562

■ 72.0469, 0.3270,  
0.2984

■ 46.2490, 0.2601,  
0.4563

■ 72.5069, 0.3216,  
0.2911

■ 72.9864, 0.3162,  
0.2839

# Harmonies

## Analogous

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



54.1061, 0.3159, 0.3830



54.1061, 0.2837, 0.3600



54.1061, 0.2601, 0.3281

# Triad

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



54.1061, 0.2837, 0.3600



54.1061, 0.2760, 0.2741



54.1061, 0.3795, 0.3538

# Complementary

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



54.1061, 0.2837, 0.3600



36.3347, 0.3546, 0.3002

# 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.



54.1061, 0.3679, 0.3262



54.1061, 0.2837, 0.3600



54.1061, 0.3067, 0.2818

# Square

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



54.1061, 0.2837, 0.3600



54.1061, 0.2558, 0.2796



54.1061, 0.3407, 0.3005



54.1061, 0.3720, 0.3771



# Rectangle

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



54.1061, 0.2837, 0.3600



54.1061, 0.2518, 0.3075



54.1061, 0.3407, 0.3005



54.1061, 0.3777, 0.3448

# Sweetspot

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



54.1083, 0.2837, 0.3600



95.3683, 0.3035, 0.3375



55.0810, 0.3266, 0.4113



20.2631, 0.3020, 0.3389



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

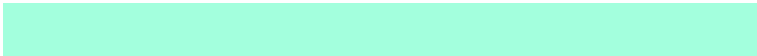


# Same Dimension

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



54.1083, 0.2837, 0.3600



84.5466, 0.2783, 0.3679



51.7252, 0.2688, 0.3193



13.3296, 0.3032, 0.3378



29.1550, 0.2595, 0.4543



1.6452, 0.2524, 0.4286



# Inverse Universe

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



36.3347, 0.3546, 0.3002



51.5671, 0.3673, 0.2937



37.8346, 0.3766, 0.3384



11.8797, 0.3233, 0.3204



8.7098, 0.5479, 0.2792



0.5022, 0.4976, 0.2515



# Previews

## White Background



This preview shows how the Yxy color 54.1061, 0.2837, 0.3600 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 54.1061, 0.2837, 0.3600 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

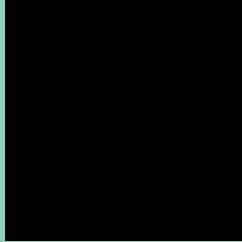
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

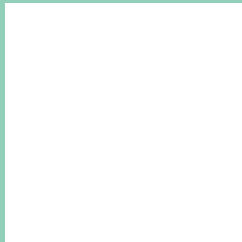
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.1061, 0.2837, 0.3600**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.1061, 0.2837, 0.3600.



This preview shows how white text looks on a background with the Yxy color 54.1061, 0.2837, 0.3600.

# 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

54.1061, 0.2837, 0.3600

### Protanopia

53.6920, 0.3323, 0.3499

### Deuteranopia

53.4676, 0.3347, 0.3279



## Tritanopia

53.9784, 0.2670, 0.3085

# Trichromacy



## Original Color

54.1061, 0.2837, 0.3600



## Protanomaly

53.4666, 0.3131, 0.3533



## Deuteranomaly

52.9902, 0.3139, 0.3378



## Tritanomaly

54.0315, 0.2725, 0.3263

# Monochromacy



## Original Color

54.1061, 0.2837, 0.3600



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

50.7443, 0.3011, 0.3408

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.1061, 0.2837, 0.3600 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(145, 207, 184)` looks like.

```
.text, #text, p{  
    color:rgb(145, 207, 184)  
}
```

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(145, 207, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 207, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1061, 0.2837, 0.3600 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(145, 207, 184) }
```

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

```
.border{ border-color:rgb(145, 207, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 207, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 207, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 207, 184); box-shadow:4px 4px 4px 4px rgb(145, 207, 184) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.1061, 0.2837, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 207, 184) }
```

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

```
.background{ background-color: rgb(145,  
207, 184) }
```

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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