

# Converting Colors

$Yxy(53.7084, 0.2749, 0.3451)$

Have a look what the booklet for  
Yxy(53.7084, 0.2749, 0.3451)  
contains.

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# Color

**Yxy(53.7004, 0.2749, 0.3450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8DCEC2
RGB	141, 206, 194
RGB Percent	55%, 81%, 76%
CMY	0.4473, 0.1921, 0.2391
CMYK	0.32, 0.00, 0.06, 0.19
HSL	169°, 40%, 68%
HSV	169°, 32%, 81%
XYZ	42.7891, 53.7004, 59.1638
YIQ	185.1970, -34.8880, -17.5120

# Conversions

## Conversions Part 2

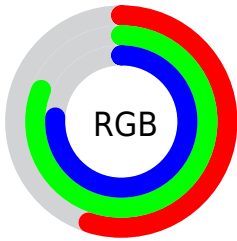
Format	Color
<a href="#">RYB</a>	<a href="#">141, 177, 206</a>
Decimal	<a href="#">9293506</a>
CIELab	<a href="#">78.29, -23.20, -0.64</a>
CIElCh	<a href="#">78, 23.209, 181.580</a>
Yxy	<a href="#">53.7004, 0.2749, 0.3450</a>
Android (android.graphics.Color)	<a href="#">4287483586 (0xFF8DCEC2)</a>
YUV	<a href="#">185.1970, 4.3399, -38.7608</a>
Hunter-Lab	<a href="#">73.2806, -24.0134, 3.4280</a>

# Details

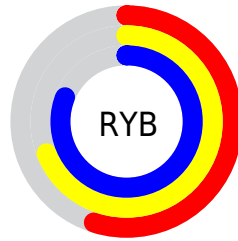
The Yxy color **53.7004, 0.2749, 0.3450** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.4562, 0.3709, 0.3138**, and the grayscale version is **48.6172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1579, 0.2809, 0.3342**, and **26.1014, 0.2653, 0.3493** is the 20% darker color. If you saturate the color by 10%, you get **51.8939, 0.2650, 0.3509**, and if you desaturate by 10%, it is **55.8514, 0.2860, 0.3395**.

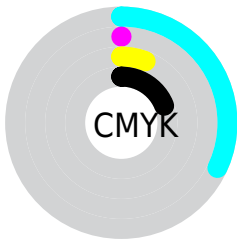
# Distribution



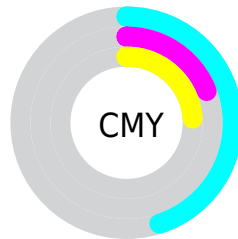
- Red (55%)
- Green (81%)
- Blue (76%)



- Red (55%)
- Yellow (69%)
- Blue (81%)



- Cyan (32%)
- Magenta (0%)
- Yellow (6%)
- Black (19%)




- Cyan (45%)
- Magenta (19%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7004, 0.2749, 0.3450 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 53.7004, 0.2749, 0.3450 by changing the saturation by 10% instead.





 53.7004, 0.2749,  
0.3450


 53.7004, 0.2749,  
0.3450


400.9665, 0.2933,  
0.3373

 38.3622, 0.2705,  
0.3469


 95.6342, 0.2815,  
0.3422

 26.2639, 0.2649,  
0.3492


 122.9986, 0.2840,  
0.3412

 17.0212, 0.2575,  
0.3522

155.1405, 0.2861,  
0.3403

 10.2496, 0.2476,  
0.3564

192.4443, 0.2879,  
0.3395

 5.5648, 0.2334,  
0.3622

235.2944, 0.2895,  
0.3389

 2.5823, 0.2114,  
0.3712

284.0752, 0.2909,

 0.9178, 0.1347,

0.3383

0.4044

339.1711, 0.2922,  
0.3377

0.0000, 0.0000,  
0.0000

53.7004, 0.2749,  
0.3450

53.7004, 0.2749,  
0.3450

51.8939, 0.2650,  
0.3509

55.8514, 0.2860,  
0.3395

50.4067, 0.2566,  
0.3571

58.3577, 0.2980,  
0.3344

49.2206, 0.2498,  
0.3636


61.2376, 0.3107,  
0.3297


48.3125, 0.2450,  
0.3702


64.5060, 0.3237,  
0.3255

47.6562, 0.2421,  
0.3769


68.1773, 0.3368,  
0.3217


 47.2205, 0.2411,  
0.3835

 70.4071, 0.3425,  
0.3181

 46.9775, 0.2414,  
0.3891

 70.6066, 0.3397,  
0.3143

 70.8107, 0.3369,  
0.3105

 71.0194, 0.3341,  
0.3067

# Harmonies

## Analogous

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



53.7004, 0.3021, 0.3709



53.7004, 0.2749, 0.3450



53.7004, 0.2582, 0.3154

# Triad

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



53.7004, 0.2749, 0.3450



53.7004, 0.2905, 0.2797



53.7004, 0.3735, 0.3626

# Complementary

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



53.7004, 0.2749, 0.3450



34.4562, 0.3709, 0.3138

# 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.



53.7004, 0.3705, 0.3380



53.7004, 0.2749, 0.3450



53.7004, 0.3213, 0.2918

# Square

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



53.7004, 0.2749, 0.3450



53.7004, 0.2668, 0.2794



53.7004, 0.3510, 0.3126



53.7004, 0.3594, 0.3799



# Rectangle

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



53.7004, 0.2749, 0.3450



53.7004, 0.2546, 0.2986



53.7004, 0.3510, 0.3126



53.7004, 0.3745, 0.3548

# Sweetspot

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



53.7026, 0.2749, 0.3450



95.6349, 0.3011, 0.3332



52.9359, 0.3180, 0.4188



20.3291, 0.2993, 0.3339



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.



53.7026, 0.2749, 0.3450



84.9225, 0.2679, 0.3490



45.4410, 0.2647, 0.3023



12.6902, 0.3008, 0.3333



28.9371, 0.2412, 0.3881



1.5023, 0.2376, 0.3752



# Inverse Universe

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



34.4562, 0.3709, 0.3138



48.8804, 0.3894, 0.3105



40.3494, 0.3765, 0.3540



11.2469, 0.3262, 0.3248



8.1765, 0.6099, 0.3133



0.4323, 0.5571, 0.2843



# Previews

## White Background



This preview shows how the Yxy color 53.7004, 0.2749, 0.3450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

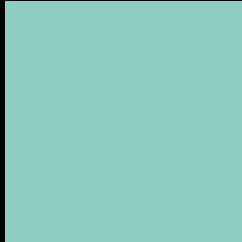
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.7004, 0.2749, 0.3450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

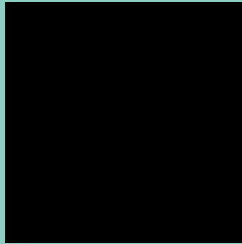
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

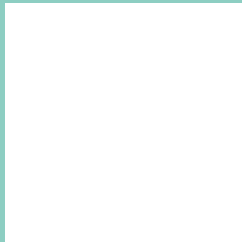
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.7004, 0.2749, 0.3450**

## Background



This preview shows how black text looks on a background with the Yxy color 53.7004, 0.2749, 0.3450.

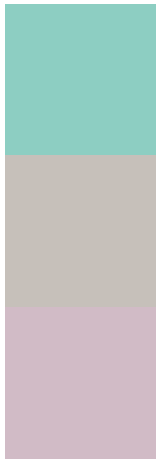


This preview shows how white text looks on a background with the Yxy color 53.7004, 0.2749, 0.3450.

# 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

53.7004, 0.2749, 0.3450

### Protanopia

53.2502, 0.3222, 0.3364

### Deuteranopia

53.1732, 0.3225, 0.3160



## Tritanopia

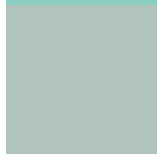
53.5586, 0.2634, 0.3070

# Trichromacy



## Original Color

53.7004, 0.2749, 0.3450



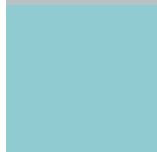
## Protanomaly

52.9537, 0.3029, 0.3392



## Deuteranomaly

52.8051, 0.3026, 0.3252



## Tritanomaly

53.3848, 0.2675, 0.3197

# Monochromacy



## Original Color

53.7004, 0.2749, 0.3450



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

50.2058, 0.2974, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.7004, 0.2749, 0.3450 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(141, 206, 194)` looks like.

```
.text, #text, p{  
    color:rgb(141, 206, 194)  
}
```

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(141, 206, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 206, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7004, 0.2749, 0.3450 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(141, 206, 194) }
```

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

```
.border{ border-color:rgb(141, 206, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 206, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(141, 206, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(141, 206, 194); box-shadow:4px 4px 4px 4px rgb(141, 206, 194) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7004, 0.2749, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 206, 194) }
```

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

```
.background{ background-color: rgb(141,  
206, 194) }
```

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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