

# Converting Colors

$Yxy(53.4920, 0.2731, 0.3695)$

Have a look what the booklet for  
Yxy(53.4920, 0.2731, 0.3695)  
contains.

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# Color

**Yxy(53.7145, 0.2730, 0.3694)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CD2B5
RGB	124, 210, 181
RGB Percent	49%, 82%, 71%
CMY	0.5138, 0.1764, 0.2901
CMYK	0.41, 0.00, 0.14, 0.18
HSL	160°, 49%, 65%
HSV	160°, 41%, 82%
XYZ	39.6970, 53.7145, 51.9987
YIQ	180.9800, -41.9470, -27.2510

# Conversions

## Conversions Part 2

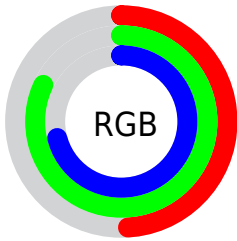
Format	Color
<a href="#">RYB</a>	<a href="#">124, 176, 210</a>
Decimal	<a href="#">8180405</a>
CIELab	<a href="#">78.29, -32.70, 6.25</a>
CIElCh	<a href="#">78, 33.290, 169.182</a>
Yxy	<a href="#">53.7145, 0.2730, 0.3694</a>
Android (android.graphics.Color)	<a href="#">4286370485 (0xFF7CD2B5)</a>
YUV	<a href="#">180.9800, 0.0099, -49.9715</a>
Hunter-Lab	<a href="#">73.2902, -31.5749, 9.2375</a>

# Details

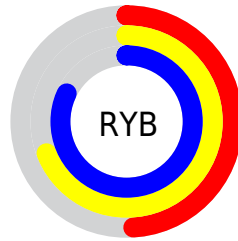
The Yxy color **53.7145, 0.2730, 0.3694** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.4096, 0.3807, 0.2928**, and the grayscale version is **46.2119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3377, 0.2789, 0.3487**, and **26.2664, 0.2624, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **52.0323, 0.2658, 0.3813**, and if you desaturate by 10%, it is **55.7489, 0.2815, 0.3582**.

# Distribution



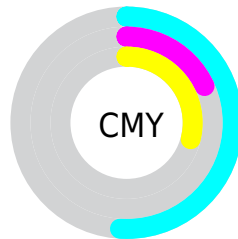
- Red (49%)
- Green (82%)
- Blue (71%)



- Red (49%)
- Yellow (69%)
- Blue (82%)



- Cyan (41%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)




- Cyan (51%)
- Magenta (18%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7145, 0.2730, 0.3694 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 53.7145, 0.2730, 0.3694 by changing the saturation by 10% instead.





 53.7145, 0.2730,  
0.3694

 53.7145, 0.2730,  
0.3694


401.0204, 0.2926,  
0.3492


 38.3735, 0.2682,  
0.3744


 95.6549, 0.2800,  
0.3621

 26.2727, 0.2621,  
0.3809


 123.0231, 0.2827,  
0.3593

 17.0277, 0.2541,  
0.3895


 155.1691, 0.2850,  
0.3570

 10.2543, 0.2430,  
0.4016

192.4773, 0.2869,  
0.3550

 5.5679, 0.2269,  
0.4195

235.3322, 0.2886,  
0.3532

 2.5841, 0.2015,  
0.4489

284.1180, 0.2901,

 0.9187, 0.0479,

0.3517

0.5903

339.2193, 0.2914,  
0.3504

0.0000, 0.0000,  
0.0000

53.7145, 0.2730,  
0.3694

53.7145, 0.2730,  
0.3694

52.0323, 0.2658,  
0.3813

55.7489, 0.2815,  
0.3582

50.6743, 0.2603,  
0.3938

58.1487, 0.2909,  
0.3478

49.6185, 0.2565,  
0.4067


60.9343, 0.3011,  
0.3383


48.8376, 0.2548,  
0.4197

64.1225, 0.3117,  
0.3298

48.2989, 0.2551,  
0.4326


67.7294, 0.3224,  
0.3221

 47.9680, 0.2567,  
0.4441

 71.7699, 0.3332,  
0.3153

 73.1012, 0.3319,  
0.3085

 73.5083, 0.3268,  
0.3015

 73.9316, 0.3218,  
0.2948

# Harmonies

## Analogous

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



53.7145, 0.3148, 0.4013



53.7145, 0.2730, 0.3694



53.7145, 0.2431, 0.3257

# Triad

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



53.7145, 0.2730, 0.3694



53.7145, 0.2653, 0.2577



53.7145, 0.4015, 0.3612

# Complementary

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



53.7145, 0.2730, 0.3694



30.4096, 0.3807, 0.2928

# 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.



53.7145, 0.3869, 0.3255



53.7145, 0.2730, 0.3694



53.7145, 0.3056, 0.2684

# Square

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



53.7145, 0.2730, 0.3694



53.7145, 0.2391, 0.2636



53.7145, 0.3507, 0.2926



53.7145, 0.3902, 0.3921



# Rectangle

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



53.7145, 0.2730, 0.3694



53.7145, 0.2331, 0.2986



53.7145, 0.3507, 0.2926



53.7145, 0.3995, 0.3494

# Sweetspot

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



53.7167, 0.2730, 0.3694



94.0048, 0.2999, 0.3394



54.4297, 0.3283, 0.4465



19.9932, 0.2985, 0.3406



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

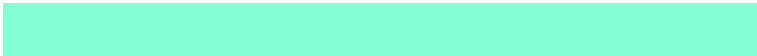


# Same Dimension

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



53.7167, 0.2730, 0.3694



81.0685, 0.2668, 0.3796



48.9154, 0.2541, 0.3112



13.3365, 0.3027, 0.3370



29.2768, 0.2562, 0.4422



1.6514, 0.2497, 0.4189



# Inverse Universe

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



30.4096, 0.3807, 0.2928



40.2231, 0.4026, 0.2857



33.0135, 0.4098, 0.3456



11.8730, 0.3238, 0.3212



8.6504, 0.5610, 0.2864

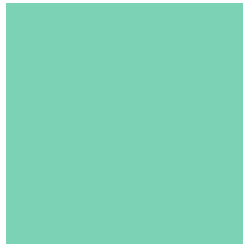


0.4983, 0.5090, 0.2578



# Previews

## White Background



This preview shows how the Yxy color 53.7145, 0.2730, 0.3694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

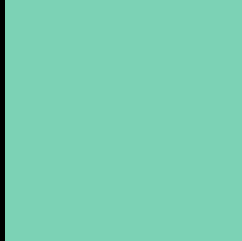
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.7145, 0.2730, 0.3694 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

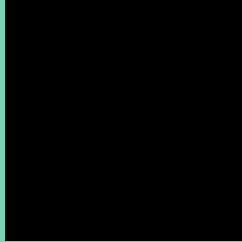
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

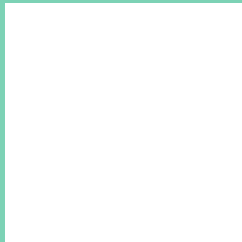
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.7145, 0.2730, 0.3694**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.7145, 0.2730, 0.3694.

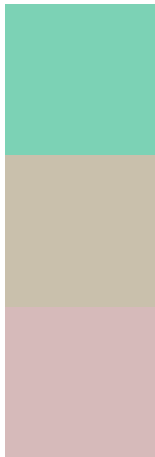


This preview shows how white text looks on a background with the Yxy color 53.7145, 0.2730, 0.3694.

# 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

53.7145, 0.2730, 0.3694

### Protanopia

53.0953, 0.3357, 0.3537

### Deuteranopia

52.9591, 0.3365, 0.3291



## Tritanopia

53.4745, 0.2551, 0.3067

# Trichromacy



## Original Color

53.7145, 0.2730, 0.3694



## Protanomaly

52.8262, 0.3097, 0.3604



## Deuteranomaly

52.3147, 0.3097, 0.3431



## Tritanomaly

53.3447, 0.2615, 0.3288

# Monochromacy



## Original Color

53.7145, 0.2730, 0.3694



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

48.5091, 0.2955, 0.3438

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.7145, 0.2730, 0.3694 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(124, 210, 181)` looks like.

```
.text, #text, p{  
    color:rgb(124, 210, 181)  
}
```

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(124, 210, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 210, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 53.7145, 0.2730, 0.3694 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(124, 210, 181) }
```

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

```
.border{ border-color:rgb(124, 210, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 210, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 210, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 210, 181); box-shadow:4px 4px 4px 4px rgb(124, 210, 181) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.7145, 0.2730, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 210, 181) }
```

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

```
.background{ background-color: rgb(124,  
210, 181) }
```

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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