

# Converting Colors

$Yxy(53.1107, 0.2722, 0.3577)$

Have a look what the booklet for  
Yxy(53.1107, 0.2722, 0.3577)  
contains.

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# Color

**Yxy(53.3667, 0.2721, 0.3579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81D0BB
RGB	129, 208, 187
RGB Percent	51%, 82%, 73%
CMY	0.4943, 0.1843, 0.2667
CMYK	0.38, 0.00, 0.10, 0.18
HSL	164°, 46%, 66%
HSV	164°, 38%, 82%
XYZ	40.5730, 53.3667, 55.1709
YIQ	181.9850, -40.3430, -23.2790

# Conversions

## Conversions Part 2

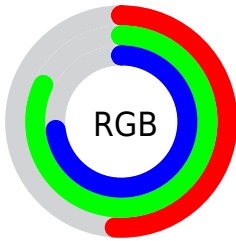
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 175, 208
Decimal	8507579
CIELab	78.09, -29.09, 2.78
CIElCh	78, 29.222, 174.541
Yxy	53.3667, 0.2721, 0.3579
Android (android.graphics.Color)	4286697659 (0xFF81D0BB)
YUV	181.9850, 2.4724, -46.4678
Hunter-Lab	73.0525, -28.7039, 6.3596

# Details

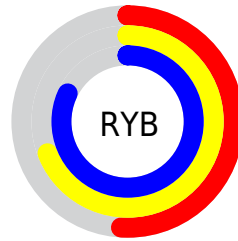
The Yxy color **53.3667, 0.2721, 0.3579** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.3025, 0.3804, 0.3025**, and the grayscale version is **46.7690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3054, 0.2785, 0.3419**, and **25.9996, 0.2612, 0.3652** is the 20% darker color. If you saturate the color by 10%, you get **51.6706, 0.2638, 0.3670**, and if you desaturate by 10%, it is **55.4077, 0.2816, 0.3494**.

# Distribution



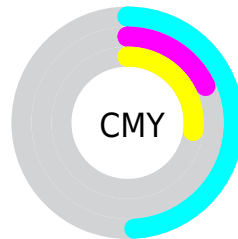
- Red (51%)
- Green (82%)
- Blue (73%)



- Red (51%)
- Yellow (69%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (10%)
- Black (18%)




- Cyan (49%)
- Magenta (18%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3667, 0.2721, 0.3579 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 53.3667, 0.2721, 0.3579 by changing the saturation by 10% instead.





 53.3667, 0.2721,  
0.3579

 53.3667, 0.2721,  
0.3579

399.6904, 0.2920,  
0.3436


 38.0956, 0.2673,  
0.3614


 95.1437, 0.2792,  
0.3527

 26.0569, 0.2611,  
0.3659


 122.4185, 0.2819,  
0.3508

 16.8662, 0.2531,  
0.3718


 154.4632, 0.2842,  
0.3492

 10.1391, 0.2422,  
0.3800

191.6623, 0.2862,  
0.3477

 5.4913, 0.2263,  
0.3920

234.4002, 0.2879,  
0.3465

 2.5383, 0.2016,  
0.4112

283.0612, 0.2894,

 0.8958, 0.0777,

0.3454


0.4927


338.0298, 0.2908,  
0.3445

 0.0000, 0.0000,  
0.0000

 53.3667, 0.2721,  
0.3579


 53.3667, 0.2721,  
0.3579


 51.6706, 0.2638,  
0.3670


 55.4077, 0.2816,  
0.3494

 50.2927, 0.2572,  
0.3765


 57.8058, 0.2922,  
0.3415


 49.2125, 0.2523,  
0.3863

 60.5805, 0.3034,  
0.3343

 48.4044, 0.2494,  
0.3963

 63.7479, 0.3151,  
0.3278

 47.8385, 0.2484,  
0.4063

 67.3232, 0.3269,  
0.3219

■ 47.4709, 0.2493,  
0.4162

■ 71.3208, 0.3388,  
0.3167

■ 47.4076, 0.2495,  
0.4182

■ 71.8524, 0.3356,  
0.3112

■ 72.1605, 0.3316,  
0.3058

■ 72.4784, 0.3276,  
0.3004

# Harmonies

## Analogous

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



53.3667, 0.3079, 0.3884



53.3667, 0.2721, 0.3579



53.3667, 0.2480, 0.3197

# Triad

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



53.3667, 0.2721, 0.3579



53.3667, 0.2765, 0.2663



53.3667, 0.3906, 0.3635

# Complementary

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



53.3667, 0.2721, 0.3579



31.3025, 0.3804, 0.3025

# 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.



53.3667, 0.3817, 0.3320



53.3667, 0.2721, 0.3579



53.3667, 0.3137, 0.2782

# Square

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



53.3667, 0.2721, 0.3579



53.3667, 0.2505, 0.2690



53.3667, 0.3529, 0.3016



53.3667, 0.3772, 0.3888



# Rectangle

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



53.3667, 0.2721, 0.3579



53.3667, 0.2410, 0.2970



53.3667, 0.3529, 0.3016



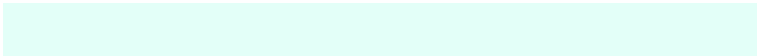
53.3667, 0.3902, 0.3533

# Sweetspot

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



53.3689, 0.2721, 0.3579



94.5917, 0.2998, 0.3365



53.1891, 0.3225, 0.4387



20.1153, 0.2983, 0.3374



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

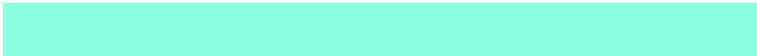


# Same Dimension

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



53.3689, 0.2721, 0.3579



82.2693, 0.2650, 0.3656



45.8577, 0.2565, 0.3035



13.3512, 0.3018, 0.3353



29.5601, 0.2491, 0.4168



1.6656, 0.2441, 0.3986



# Inverse Universe

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



31.3025, 0.3804, 0.3025



42.2114, 0.4038, 0.2967



35.9889, 0.3967, 0.3527



11.8591, 0.3249, 0.3228



8.5453, 0.5862, 0.3003

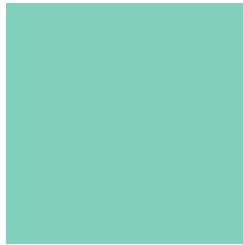


0.4911, 0.5328, 0.2709



# Previews

## White Background



This preview shows how the Yxy color 53.3667, 0.2721, 0.3579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

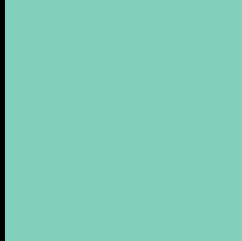
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.3667, 0.2721, 0.3579 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

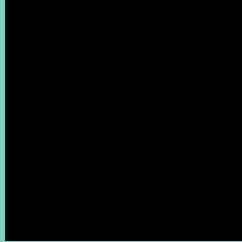
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

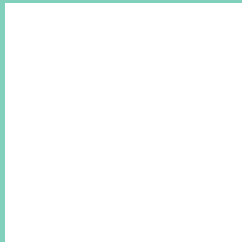
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.3667, 0.2721, 0.3579**

## Background



This preview shows how black text looks on a background with the Yxy color 53.3667, 0.2721, 0.3579.



This preview shows how white text looks on a background with the Yxy color 53.3667, 0.2721, 0.3579.

# 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

53.3667, 0.2721, 0.3579

### Protanopia

52.6181, 0.3294, 0.3451

### Deuteranopia

52.7725, 0.3290, 0.3219



## Tritanopia

53.1975, 0.2571, 0.3068

# Trichromacy



## Original Color

53.3667, 0.2721, 0.3579



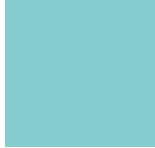
## Protanomaly

52.2674, 0.3063, 0.3498



## Deuteranomaly

52.1250, 0.3053, 0.3341



## Tritanomaly

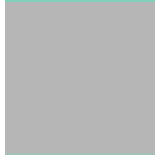
53.2850, 0.2624, 0.3249

# Monochromacy



## Original Color

53.3667, 0.2721, 0.3579



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

48.5088, 0.2956, 0.3383

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3667, 0.2721, 0.3579 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(129, 208, 187)` looks like.

```
.text, #text, p{  
    color:rgb(129, 208, 187)  
}
```

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(129, 208, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 208, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3667, 0.2721, 0.3579 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(129, 208, 187) }
```

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

```
.border{ border-color:rgb(129, 208, 187) }
```

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

Here you see how a box with a 4 pixel rgb(129, 208, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 208, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 208, 187);  
box-shadow:4px 4px 4px 4px rgb(129, 208,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3667, 0.2721, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 208, 187) }
```

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

```
.background{ background-color: rgb(129,  
208, 187) }
```

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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