

# Converting Colors

Yxy(54.8015, 0.2666, 0.3594)

Have a look what the booklet for  
Yxy(54.8015, 0.2666, 0.3594)  
contains.

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# Color

**Yxy(54.8696, 0.2666, 0.3592)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79D4BE
RGB	121, 212, 190
RGB Percent	47%, 83%, 75%
CMY	0.5254, 0.1686, 0.2549
CMYK	0.43, 0.00, 0.10, 0.17
HSL	165°, 51%, 65%
HSV	165°, 43%, 83%
XYZ	40.7245, 54.8696, 57.1609
YIQ	182.2830, -47.1740, -26.1340

# Conversions

## Conversions Part 2

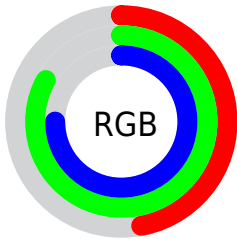
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 173, 212
Decimal	7984318
CIELab	78.97, -32.39, 2.39
CIELCh	79, 32.482, 175.773
Yxy	54.8696, 0.2666, 0.3592
Android (android.graphics.Color)	4286174398 (0xFF79D4BE)
YUV	182.2830, 3.8045, -53.7452
Hunter-Lab	74.0740, -31.4936, 6.0993

# Details

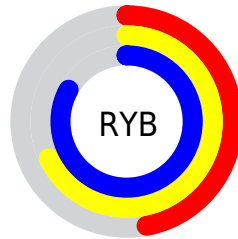
The Yxy color **54.8696, 0.2666, 0.3592** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.6597, 0.3963, 0.3018**, and the grayscale version is **46.9425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5209, 0.2729, 0.3387**, and **27.0439, 0.2545, 0.3670** is the 20% darker color. If you saturate the color by 10%, you get **53.2843, 0.2589, 0.3676**, and if you desaturate by 10%, it is **56.8037, 0.2758, 0.3512**.

# Distribution



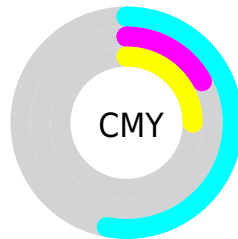
- Red (47%)
- Green (83%)
- Blue (75%)



- Red (47%)
- Yellow (68%)
- Blue (83%)



- Cyan (43%)
- Magenta (0%)
- Yellow (10%)
- Black (17%)




- Cyan (53%)
- Magenta (17%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8696, 0.2666, 0.3592 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 54.8696, 0.2666, 0.3592 by changing the saturation by 10% instead.





 54.8696, 0.2666,  
0.3592

 54.8696, 0.2666,  
0.3592


405.4174, 0.2890,  
0.3444

 39.2973, 0.2612,  
0.3628

 97.3499, 0.2746,  
0.3539

 26.9911, 0.2544,  
0.3674


 125.0267, 0.2777,  
0.3519

 17.5665, 0.2455,  
0.3734


 157.5071, 0.2802,  
0.3501

 10.6392, 0.2334,  
0.3817

195.1755, 0.2825,  
0.3487

 5.8248, 0.2162,  
0.3937

238.4164, 0.2844,  
0.3474

 2.7388, 0.1897,  
0.4125

287.6141, 0.2862,

 0.9970, 0.0740,

0.3463

0.4833

343.1530, 0.2877,  
0.3453

0.0000, 0.0000,  
0.0000

54.8696, 0.2666,  
0.3592

54.8696, 0.2666,  
0.3592

53.2843, 0.2589,  
0.3676

56.8037, 0.2758,  
0.3512

52.0188, 0.2529,  
0.3764

59.1005, 0.2861,  
0.3438

51.0504, 0.2487,  
0.3853


61.7807, 0.2974,  
0.3369


50.3502, 0.2466,  
0.3943

64.8619, 0.3092,  
0.3307


49.8834, 0.2464,  
0.4033


68.3603, 0.3213,  
0.3251

 49.6520, 0.2471,  
0.4096

 72.2916, 0.3336,  
0.3201

 73.8324, 0.3350,  
0.3151

 74.1178, 0.3313,  
0.3100

 74.4117, 0.3277,  
0.3050

# Harmonies

## Analogous

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



54.8696, 0.3054, 0.3939



54.8696, 0.2666, 0.3592



54.8696, 0.2411, 0.3168

# Triad

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



54.8696, 0.2666, 0.3592



54.8696, 0.2744, 0.2607



54.8696, 0.3984, 0.3677

# Complementary

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



54.8696, 0.2666, 0.3592



29.6597, 0.3963, 0.3018

# 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.



54.8696, 0.3897, 0.3334



54.8696, 0.2666, 0.3592



54.8696, 0.3155, 0.2743

# Square

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



54.8696, 0.2666, 0.3592



54.8696, 0.2454, 0.2628



54.8696, 0.3585, 0.3001



54.8696, 0.3824, 0.3954



# Rectangle

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



54.8696, 0.2666, 0.3592



54.8696, 0.2340, 0.2921



54.8696, 0.3585, 0.3001



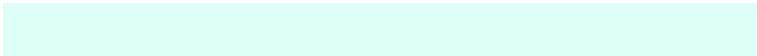
54.8696, 0.3983, 0.3566

# Sweetspot

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



54.8718, 0.2666, 0.3592



93.7404, 0.2971, 0.3371



54.3766, 0.3221, 0.4554



19.8595, 0.2946, 0.3386



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.



54.8718, 0.2666, 0.3592



81.0114, 0.2591, 0.3673



45.3248, 0.2495, 0.2974



14.0541, 0.3014, 0.3347



30.6686, 0.2468, 0.4084



1.8624, 0.2425, 0.3929



# Inverse Universe

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



29.6597, 0.3963, 0.3018



37.6259, 0.4264, 0.2964



35.2529, 0.4114, 0.3577



12.4695, 0.3253, 0.3234



8.8033, 0.5942, 0.3047

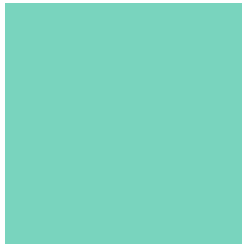


0.5442, 0.5445, 0.2773



# Previews

## White Background



This preview shows how the Yxy color 54.8696, 0.2666, 0.3592 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

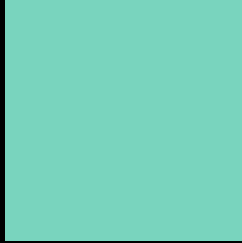
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.8696, 0.2666, 0.3592 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

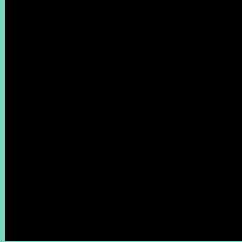
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

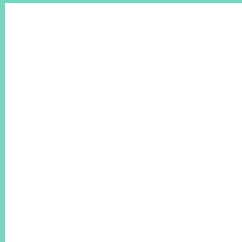
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.8696, 0.2666, 0.3592**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.8696, 0.2666, 0.3592.

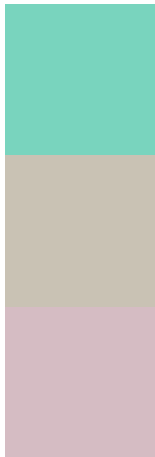


This preview shows how white text looks on a background with the Yxy color 54.8696, 0.2666, 0.3592.

# 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

54.8696, 0.2666, 0.3592

### Protanopia

54.2964, 0.3291, 0.3462

### Deuteranopia

54.0527, 0.3281, 0.3208



## Tritanopia

54.7533, 0.2520, 0.3068

# Trichromacy



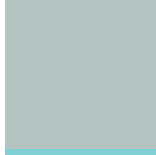
## Original Color

54.8696, 0.2666, 0.3592



## Protanomaly

54.0046, 0.3025, 0.3510



## Deuteranomaly

53.4861, 0.3024, 0.3340



## Tritanomaly

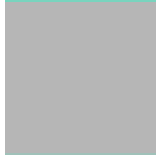
54.8664, 0.2572, 0.3249

# Monochromacy



## Original Color

54.8696, 0.2666, 0.3592



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

49.1163, 0.2927, 0.3397

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.8696, 0.2666, 0.3592 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(121, 212, 190)` looks like.

```
.text, #text, p{  
    color:rgb(121, 212, 190)  
}
```

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(121, 212, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 212, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 54.8696, 0.2666, 0.3592 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(121, 212, 190) }
```

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

```
.border{ border-color:rgb(121, 212, 190) }
```

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

Here you see how a box with a 4 pixel rgb(121, 212, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 212, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 212, 190);  
box-shadow:4px 4px 4px 4px rgb(121, 212,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.8696, 0.2666, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 212, 190) }
```

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

```
.background{ background-color: rgb(121,  
212, 190) }
```

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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