

# Converting Colors

$Y_{xy}(51.3785, 0.2530, 0.3726)$

Have a look what the booklet for  
Yxy(51.3785, 0.2530, 0.3726)  
contains.

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# Color

**Yxy(51.2232, 0.2529, 0.3716)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52D2B5
RGB	82, 210, 181
RGB Percent	32%, 82%, 71%
CMY	0.6787, 0.1764, 0.2902
CMYK	0.61, 0.00, 0.14, 0.18
HSL	166°, 59%, 57%
HSV	166°, 61%, 82%
XYZ	34.8610, 51.2232, 51.7608
YIQ	168.4220, -66.9790, -36.1550

# Conversions

## Conversions Part 2

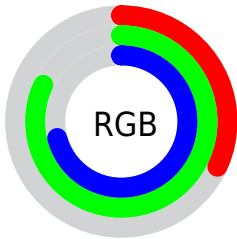
Format	Color
<b>RYB</b>	82, 154, 210
Decimal	5427893
CIELab	76.81, -42.15, 3.93
CIELCh	77, 42.336, 174.669
Yxy	51.2232, 0.2529, 0.3716
Android (android.graphics.Color)	4283617973 (0xFF52D2B5)
YUV	168.4220, 6.2010, -75.7921
Hunter-Lab	71.5704, -38.3032, 7.2198

# Details

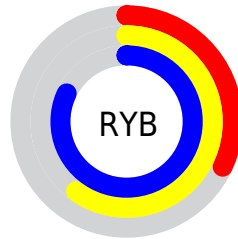
The Yxy color **51.2232, 0.2529, 0.3716** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **20.8734, 0.4593, 0.2953**, and the grayscale version is **39.3610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4741, 0.2612, 0.3496**, and **25.0012, 0.2401, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **50.2324, 0.2483, 0.3799**, and if you desaturate by 10%, it is **52.5126, 0.2594, 0.3635**.

# Distribution



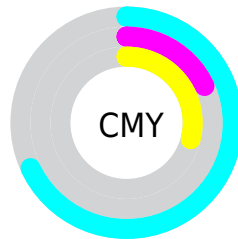
- Red (32%)
- Green (82%)
- Blue (71%)



- Red (32%)
- Yellow (60%)
- Blue (82%)



- Cyan (61%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)




- Cyan (68%)
- Magenta (18%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2232, 0.2529, 0.3716 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 51.2232, 0.2529, 0.3716 by changing the saturation by 10% instead.




 51.2232, 0.2529,  
0.3716

 51.2232, 0.2529,  
0.3716


391.4303, 0.2823,  
0.3503


 36.3863, 0.2457,  
0.3769


 91.9846, 0.2635,  
0.3639


 24.7327, 0.2366,  
0.3837


 118.6779, 0.2675,  
0.3610

 15.8780, 0.2246,  
0.3927


 150.0921, 0.2709,  
0.3585

 9.4379, 0.2084,  
0.4052

 186.6115, 0.2738,  
0.3564

 5.0279, 0.1850,  
0.4236

228.6207, 0.2764,  
0.3546

 2.2636, 0.1484,  
0.4537

276.5040, 0.2786,

 0.7544, 0.0000,

0.3530

0.5800

330.6457, 0.2806,  
0.3516

0.0000, 0.0000,  
0.0000

51.2232, 0.2529,  
0.3716

51.2232, 0.2529,  
0.3716

50.2324, 0.2483,  
0.3799

52.5126, 0.2594,  
0.3635

49.5068, 0.2456,  
0.3883

54.1186, 0.2675,  
0.3557

49.0160, 0.2449,  
0.3967

56.0644, 0.2771,  
0.3484

48.7227, 0.2456,  
0.4041

58.3696, 0.2878,  
0.3416

61.0524, 0.2994,  
0.3353

■ 64.1294, 0.3115,  
0.3295

■ 67.6164, 0.3239,  
0.3244

■ 71.5284, 0.3364,  
0.3198

■ 72.7305, 0.3368,  
0.3151

# Harmonies

## Analogous

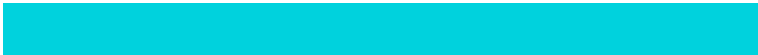
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.2232, 0.3038, 0.4190



51.2232, 0.2529, 0.3716



51.2232, 0.2198, 0.3132

# Triad

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



51.2232, 0.2529, 0.3716



51.2232, 0.2601, 0.2404



51.2232, 0.4269, 0.3758

# Complementary

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



51.2232, 0.2529, 0.3716



20.8734, 0.4593, 0.2953

# 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.



51.2232, 0.4148, 0.3313



51.2232, 0.2529, 0.3716



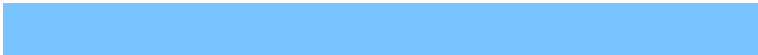
51.2232, 0.3134, 0.2572

# Square

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



51.2232, 0.2529, 0.3716



51.2232, 0.2240, 0.2428



51.2232, 0.3716, 0.2895



51.2232, 0.4055, 0.4143



# Rectangle

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



51.2232, 0.2529, 0.3716



51.2232, 0.2107, 0.2803



51.2232, 0.3716, 0.2895



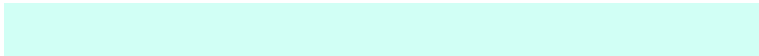
51.2232, 0.4267, 0.3612

# Sweetspot

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



51.2252, 0.2529, 0.3716



91.6581, 0.2910, 0.3397



50.1394, 0.3207, 0.5149



19.3703, 0.2877, 0.3417



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.



51.2252, 0.2529, 0.3716



77.5750, 0.2473, 0.3823



37.4383, 0.2273, 0.2781



13.3593, 0.3013, 0.3343



29.7324, 0.2453, 0.4029



1.6740, 0.2410, 0.3877



# Inverse Universe

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



20.8734, 0.4593, 0.2953



26.6460, 0.5101, 0.2940



26.8213, 0.4738, 0.3699



11.8515, 0.3255, 0.3238



8.4986, 0.5985, 0.3071

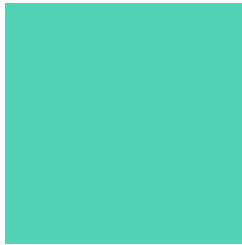


0.4876, 0.5457, 0.2780



# Previews

## White Background



This preview shows how the Yxy color 51.2232, 0.2529, 0.3716 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

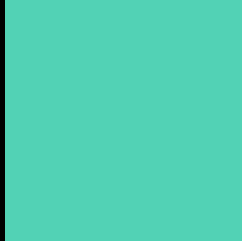
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.2232, 0.2529, 0.3716 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

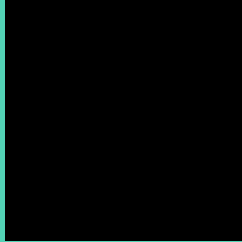
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

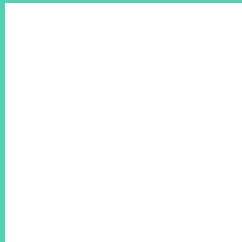
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.2232, 0.2529, 0.3716**

## Background



This preview shows how black text looks on a background with the Yxy color 51.2232, 0.2529, 0.3716.



This preview shows how white text looks on a background with the Yxy color 51.2232, 0.2529, 0.3716.

# 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

51.2232, 0.2529, 0.3716

### Protanopia

50.5668, 0.3345, 0.3530

### Deuteranopia

50.3092, 0.3302, 0.3230



## Tritanopia

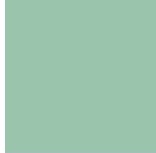
50.9476, 0.2374, 0.3057

# Trichromacy



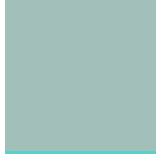
## Original Color

51.2232, 0.2529, 0.3716



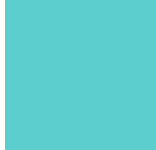
## Protanomaly

49.4655, 0.2974, 0.3605



## Deuteranomaly

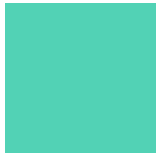
48.8834, 0.2942, 0.3383



## Tritanomaly

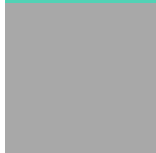
50.8742, 0.2432, 0.3288

# Monochromacy



## Original Color

51.2232, 0.2529, 0.3716



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

42.2025, 0.2832, 0.3435

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.2232, 0.2529, 0.3716 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(82, 210, 181)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 210, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 210, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 51.2232, 0.2529, 0.3716 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(82, 210, 181) }
```

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

```
.border{ border-color:rgb(82, 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(82, 210, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 210, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 210, 181);  
box-shadow:4px 4px 4px 4px rgb(82, 210,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.2232, 0.2529, 0.3716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 210, 181) }
```

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

```
.background{ background-color: rgb(82, 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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