

# Converting Colors

$Yxy(53.0930, 0.2654, 0.3911)$

Have a look what the booklet for  
Yxy(53.0930, 0.2654, 0.3911)  
contains.

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# Color

**$\text{Yxy}(53.0702, 0.2652, 0.3902)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	61D5AB
RGB	97, 213, 171
RGB Percent	38%, 84%, 67%
CMY	0.6198, 0.1647, 0.3294
CMYK	0.54, 0.00, 0.20, 0.16
HSL	158°, 58%, 61%
HSV	158°, 54%, 84%
XYZ	36.0692, 53.0702, 46.8682
YIQ	173.5280, -55.6540, -37.6540

# Conversions

## Conversions Part 2

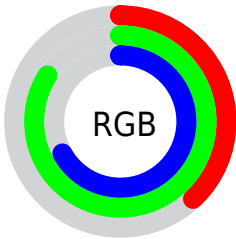
Format	Color
<b>RYB</b>	97, 168, 213
Decimal	6411691
CIELab	77.92, -42.82, 10.92
CIELCh	78, 44.187, 165.698
Yxy	53.0702, 0.2652, 0.3902
Android (android.graphics.Color)	4284601771 (0xFF61D5AB)
YUV	173.5280, -1.2463, -67.1151
Hunter-Lab	72.8493, -39.1071, 12.8498

# Details

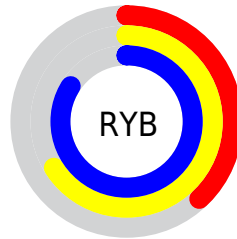
The Yxy color **53.0702, 0.2652, 0.3902** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.5485, 0.4126, 0.2785**, and the grayscale version is **42.0937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9795, 0.2718, 0.3623**, and **26.0325, 0.2517, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **51.7705, 0.2605, 0.4039**, and if you desaturate by 10%, it is **54.7053, 0.2716, 0.3770**.

# Distribution



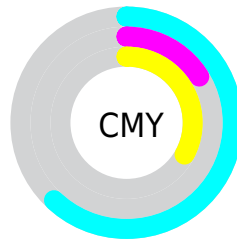
- Red (38%)
- Green (84%)
- Blue (67%)



- Red (38%)
- Yellow (66%)
- Blue (84%)



- Cyan (54%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)




- Cyan (62%)
- Magenta (16%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0702, 0.2652, 0.3902 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 53.0702, 0.2652, 0.3902 by changing the saturation by 10% instead.




 53.0702, 0.2652,  
0.3902


 53.0702, 0.2652,  
0.3902


398.5544, 0.2889,  
0.3591

 37.8588, 0.2593,  
0.3981


 94.7077, 0.2738,  
0.3788


 25.8731, 0.2517,  
0.4084


 121.9025, 0.2770,  
0.3745

 16.7288, 0.2417,  
0.4221


 153.8607, 0.2798,  
0.3709

 10.0413, 0.2279,  
0.4416

 190.9665, 0.2821,  
0.3679

 5.4263, 0.2074,  
0.4710

233.6044, 0.2842,  
0.3652

 2.4995, 0.1749,  
0.5203

282.1587, 0.2860,


 0.8764, 0.0000,

0.3629

0.8210


337.0139, 0.2875,  
0.3609

 0.0000, 0.0000,  
0.0000

 53.0702, 0.2652,  
0.3902


 53.0702, 0.2652,  
0.3902

 51.7705, 0.2605,  
0.4039


 54.7053, 0.2716,  
0.3770


 50.7737, 0.2576,  
0.4179


 56.6927, 0.2794,  
0.3646


 50.0519, 0.2568,  
0.4320

 59.0556, 0.2883,  
0.3531

 49.5685, 0.2580,  
0.4458

 61.8132, 0.2979,  
0.3425

 49.3691, 0.2593,  
0.4533

 64.9838, 0.3081,  
0.3330

■ 68.5840, 0.3184,  
0.3244

■ 72.6299, 0.3289,  
0.3168

■ 74.7190, 0.3300,  
0.3094

■ 75.1686, 0.3246,  
0.3019

# Harmonies

## Analogous

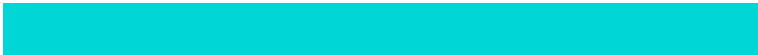
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.0702, 0.3207, 0.4307



53.0702, 0.2652, 0.3902



53.0702, 0.2249, 0.3301

# Triad

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



53.0702, 0.2652, 0.3902



53.0702, 0.2452, 0.2364



53.0702, 0.4305, 0.3633

# Complementary

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



53.0702, 0.2652, 0.3902



24.5485, 0.4126, 0.2785

# 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.



53.0702, 0.4075, 0.3177



53.0702, 0.2652, 0.3902



53.0702, 0.2956, 0.2482

# Square

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



53.0702, 0.2652, 0.3902



53.0702, 0.2148, 0.2453



53.0702, 0.3560, 0.2771



53.0702, 0.4180, 0.4060



# Rectangle

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



53.0702, 0.2652, 0.3902



53.0702, 0.2106, 0.2928



53.0702, 0.3560, 0.2771



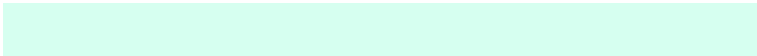
53.0702, 0.4268, 0.3480

# Sweetspot

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



53.0723, 0.2652, 0.3902



92.1513, 0.2963, 0.3442



53.9880, 0.3321, 0.4888



19.5335, 0.2942, 0.3464



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.



53.0723, 0.2652, 0.3902



77.5966, 0.2600, 0.4055



47.5185, 0.2393, 0.3071



14.0280, 0.3030, 0.3376



30.1735, 0.2587, 0.4513



1.8355, 0.2521, 0.4276



# Inverse Universe

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



24.5485, 0.4126, 0.2785



30.6242, 0.4461, 0.2717



26.6898, 0.4620, 0.3479



12.4944, 0.3235, 0.3206



8.9872, 0.5516, 0.2812

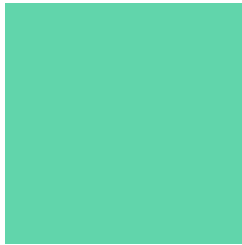


0.5577, 0.5038, 0.2549



# Previews

## White Background



This preview shows how the Yxy color 53.0702, 0.2652, 0.3902 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 53.0702, 0.2652, 0.3902 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 53.0702, 0.2652, 0.3902**

## Background



This preview shows how black text looks on a background with the Yxy color 53.0702, 0.2652, 0.3902.

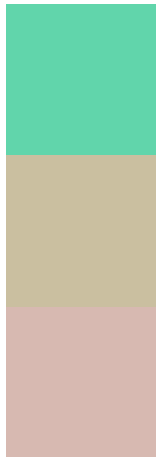


This preview shows how white text looks on a background with the Yxy color 53.0702, 0.2652, 0.3902.

# 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

53.0702, 0.2652, 0.3902

### Protanopia

52.3562, 0.3463, 0.3675

### Deuteranopia

52.3193, 0.3450, 0.3386



## Tritanopia

52.9810, 0.2439, 0.3063

# Trichromacy



## Original Color

53.0702, 0.2652, 0.3902



## Protanomaly

51.4197, 0.3105, 0.3762



## Deuteranomaly

50.8960, 0.3091, 0.3554



## Tritanomaly

53.0864, 0.2515, 0.3357

# Monochromacy



## Original Color

53.0702, 0.2652, 0.3902



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

45.0946, 0.2903, 0.3503

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0702, 0.2652, 0.3902 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(97, 213, 171)` looks like.

```
.text, #text, p{  
    color:rgb(97, 213, 171)  
}
```

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(97, 213, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 213, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0702, 0.2652, 0.3902 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(97, 213, 171) }
```

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

```
.border{ border-color:rgb(97, 213, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 213, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 213, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 213, 171);  
box-shadow:4px 4px 4px 4px rgb(97, 213,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0702, 0.2652, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 213, 171) }
```

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

```
.background{ background-color: rgb(97, 213,  
171) }
```

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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