

# Converting Colors

$Yxy(53.7786, 0.2603, 0.3605)$

Have a look what the booklet for  
Yxy(53.7786, 0.2603, 0.3605)  
contains.

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# Color

**Yxy(53.9492, 0.2605, 0.3612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CD4BD
RGB	108, 212, 189
RGB Percent	42%, 83%, 74%
CMY	0.5766, 0.1686, 0.2588
CMYK	0.49, 0.00, 0.11, 0.17
HSL	167°, 55%, 63%
HSV	167°, 49%, 83%
XYZ	38.9085, 53.9492, 56.5033
YIQ	178.2820, -54.6010, -29.2010

# Conversions

## Conversions Part 2

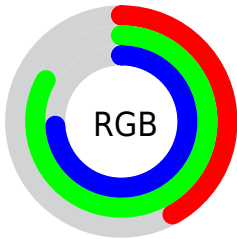
Format	Color
<a href="#">RYB</a>	108, 166, 212
Decimal	7132349
CIELab	78.43, -35.78, 2.09
CIElCh	78, 35.841, 176.649
Yxy	53.9492, 0.2605, 0.3612
Android (android.graphics.Color)	4285322429 (0xFF6CD4BD)
YUV	178.2820, 5.2840, -61.6373
Hunter-Lab	73.4501, -33.9814, 5.8048

# Details

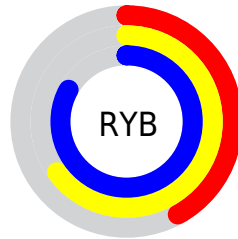
The Yxy color **53.9492, 0.2605, 0.3612** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.3529, 0.4180, 0.3009**, and the grayscale version is **44.6665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1119, 0.2675, 0.3400**, and **26.4959, 0.2467, 0.3698** is the 20% darker color. If you saturate the color by 10%, you get **52.5800, 0.2536, 0.3690**, and if you desaturate by 10%, it is **55.6524, 0.2690, 0.3537**.

# Distribution



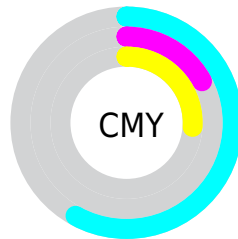
- Red (42%)
- Green (83%)
- Blue (74%)



- Red (42%)
- Yellow (65%)
- Blue (83%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (17%)



- Cyan (58%)
- Magenta (17%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.9492, 0.2605, 0.3612 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 53.9492, 0.2605, 0.3612 by changing the saturation by 10% instead.





 53.9492, 0.2605,  
0.3612


 53.9492, 0.2605,  
0.3612


401.9163, 0.2859,  
0.3454

 38.5610, 0.2544,  
0.3651


 95.9997, 0.2696,  
0.3555

 26.4184, 0.2466,  
0.3700


 123.4307, 0.2730,  
0.3534

 17.1369, 0.2365,  
0.3764


 155.6449, 0.2760,  
0.3515

 10.3322, 0.2229,  
0.3852

193.0266, 0.2785,  
0.3500

 5.6197, 0.2034,  
0.3979

235.9602, 0.2807,  
0.3486

 2.6153, 0.1736,  
0.4179

284.8301, 0.2827,

 0.9343, 0.0076,

0.3474

0.5139

340.0206, 0.2844,  
0.3463

0.0000, 0.0000,  
0.0000

53.9492, 0.2605,  
0.3612

53.9492, 0.2605,  
0.3612

52.5800, 0.2536,  
0.3690

55.6524, 0.2690,  
0.3537

51.5145, 0.2486,  
0.3771

57.7046, 0.2789,  
0.3466

50.7275, 0.2456,  
0.3853


60.1278, 0.2898,  
0.3400


50.1872, 0.2444,  
0.3934


62.9400, 0.3016,  
0.3340

49.8411, 0.2450,  
0.4015


66.1583, 0.3139,  
0.3285

 49.8127, 0.2451,  
0.4023

 69.7986, 0.3264,  
0.3236

 73.6161, 0.3380,  
0.3192

 73.8709, 0.3346,  
0.3145

 74.1326, 0.3312,  
0.3099

# Harmonies

## Analogous

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



53.9492, 0.3029, 0.4008



53.9492, 0.2605, 0.3612



53.9492, 0.2332, 0.3137

# Triad

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



53.9492, 0.2605, 0.3612



53.9492, 0.2714, 0.2542



53.9492, 0.4076, 0.3721

# Complementary

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



53.9492, 0.2605, 0.3612



26.3529, 0.4180, 0.3009

# 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.



53.9492, 0.3990, 0.3344



53.9492, 0.2605, 0.3612



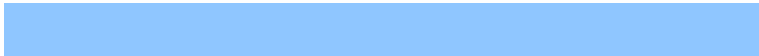
53.9492, 0.3170, 0.2695

# Square

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



53.9492, 0.2605, 0.3612



53.9492, 0.2392, 0.2556



53.9492, 0.3647, 0.2980



53.9492, 0.3888, 0.4028



# Rectangle

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



53.9492, 0.2605, 0.3612



53.9492, 0.2260, 0.2867



53.9492, 0.3647, 0.2980



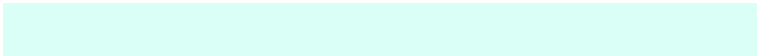
53.9492, 0.4079, 0.3599

# Sweetspot

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



53.9513, 0.2605, 0.3612



92.9205, 0.2944, 0.3376



53.0984, 0.3213, 0.4765



19.7000, 0.2919, 0.3389



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.



53.9513, 0.2605, 0.3612



79.7552, 0.2533, 0.3695



42.3298, 0.2412, 0.2895



14.0587, 0.3012, 0.3342



30.7643, 0.2448, 0.4011



1.8674, 0.2409, 0.3871



# Inverse Universe

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



26.3529, 0.4180, 0.3009



33.1017, 0.4553, 0.2966



32.6058, 0.4307, 0.3637



12.4653, 0.3257, 0.3239



8.7797, 0.6004, 0.3081

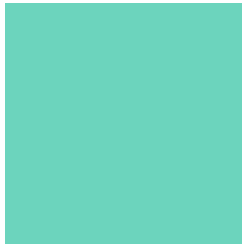


0.5422, 0.5511, 0.2810



# Previews

## White Background



This preview shows how the Yxy color 53.9492, 0.2605, 0.3612 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 53.9492, 0.2605, 0.3612 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

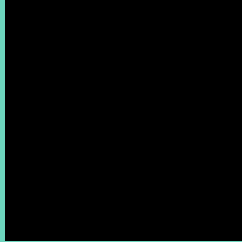
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

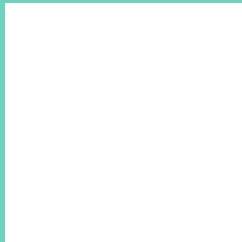
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.9492, 0.2605, 0.3612**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.9492, 0.2605, 0.3612.

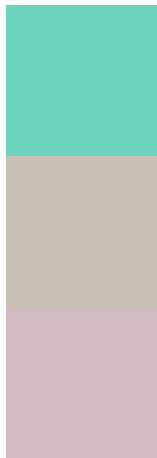


This preview shows how white text looks on a background with the Yxy color 53.9492, 0.2605, 0.3612.

# 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

53.9492, 0.2605, 0.3612

### Protanopia

53.1930, 0.3301, 0.3463

### Deuteranopia

53.2846, 0.3273, 0.3208



## Tritanopia

53.8590, 0.2460, 0.3065

# Trichromacy



## Original Color

53.9492, 0.2605, 0.3612



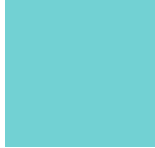
## Protanomaly

52.4397, 0.3002, 0.3513



## Deuteranomaly

52.2843, 0.2985, 0.3341



## Tritanomaly

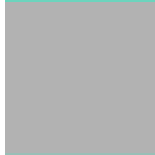
53.8815, 0.2512, 0.3261

# Monochromacy



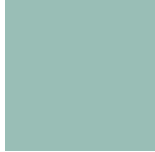
## Original Color

53.9492, 0.2605, 0.3612



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

46.9766, 0.2894, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.9492, 0.2605, 0.3612 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(108, 212, 189)` looks like.

```
.text, #text, p{  
    color:rgb(108, 212, 189)  
}
```

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(108, 212, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 212, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 53.9492, 0.2605, 0.3612 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(108, 212, 189) }
```

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

```
.border{ border-color:rgb(108, 212, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 212, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 212, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 212, 189);  
box-shadow:4px 4px 4px 4px rgb(108, 212,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.9492, 0.2605, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 212, 189) }
```

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

```
.background{ background-color: rgb(108,  
212, 189) }
```

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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