

# Converting Colors

$Yxy(53.1461, 0.2468, 0.3343)$

Have a look what the booklet for  
Yxy(53.1461, 0.2468, 0.3343)  
contains.

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# Color

**Yxy(53.1461, 0.2468, 0.3343)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62D2CE
RGB	98, 210, 206
RGB Percent	38%, 82%, 81%
CMY	0.6152, 0.1765, 0.1921
CMYK	0.53, 0.00, 0.02, 0.18
HSL	178°, 55%, 60%
HSV	178°, 53%, 82%
XYZ	39.2356, 53.1461, 66.5956
YIQ	176.0560, -65.4680, -24.9880

# Conversions

## Conversions Part 2

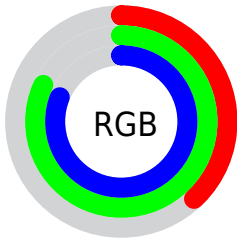
Format	Color
<b>RYB</b>	98, 155, 210
Decimal	6476494
CIELab	77.96, -32.71, -7.77
CIELCh	78, 33.622, 193.356
Yxy	53.1461, 0.2468, 0.3343
Android (android.graphics.Color)	4284666574 (0xFF62D2CE)
YUV	176.0560, 14.7624, -68.4551
Hunter-Lab	72.9014, -31.5085, -3.1306

# Details

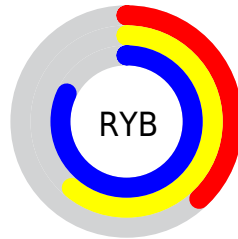
The Yxy color **53.1461, 0.2468, 0.3343** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.4194, 0.4624, 0.3247**, and the grayscale version is **43.4112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **25.9293, 0.2298, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **52.0915, 0.2393, 0.3355**, and if you desaturate by 10%, it is **54.5115, 0.2561, 0.3332**.

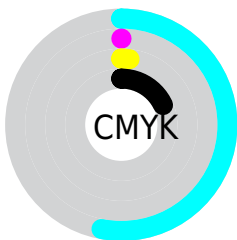
# Distribution



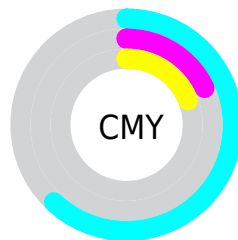
- Red (38%)
- Green (82%)
- Blue (81%)



- Red (38%)
- Yellow (61%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)




- Cyan (62%)
- Magenta (18%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1461, 0.2468, 0.3343 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 53.1461, 0.2468, 0.3343 by changing the saturation by 10% instead.





 53.1461, 0.2468,  
0.3343

 53.1461, 0.2468,  
0.3343

398.8454, 0.2784,  
0.3324


 37.9194, 0.2393,  
0.3346

 94.8193, 0.2580,  
0.3338

 25.9201, 0.2300,  
0.3348


 122.0346, 0.2623,  
0.3335

 16.7639, 0.2179,  
0.3349


 154.0150, 0.2659,  
0.3333

 10.0663, 0.2019,  
0.3347

 191.1447, 0.2691,  
0.3331

 5.4429, 0.1796,  
0.3336

233.8082, 0.2719,  
0.3329

 2.5094, 0.1470,  
0.3303

282.3899, 0.2743,

 0.8814, 0.0155,

0.3327

0.3484

337.2742, 0.2765,  
0.3326

0.0000, 0.0000,  
0.0000

53.1461, 0.2468,  
0.3343

53.1461, 0.2468,  
0.3343

52.0915, 0.2393,  
0.3355

54.5115, 0.2561,  
0.3332

51.3169, 0.2338,  
0.3366

56.2033, 0.2671,  
0.3321

50.7963, 0.2302,  
0.3378

58.2435, 0.2796,  
0.3311

50.4956, 0.2283,  
0.3389

60.6503, 0.2932,  
0.3301

50.3773, 0.2277,  
0.3397

63.4407, 0.3078,  
0.3293

■ 66.6308, 0.3230,  
0.3285

■ 70.2354, 0.3385,  
0.3278

■ 72.0997, 0.3455,  
0.3271

■ 72.1374, 0.3450,  
0.3263

# Harmonies

## Analogous

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



53.1461, 0.2800, 0.3778



53.1461, 0.2468, 0.3343



53.1461, 0.2311, 0.2931

# Triad

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



53.1461, 0.2468, 0.3343



53.1461, 0.2968, 0.2644



53.1461, 0.3953, 0.3876

# Complementary

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



53.1461, 0.2468, 0.3343



23.4194, 0.4624, 0.3247

# 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.



53.1461, 0.4019, 0.3546



53.1461, 0.2468, 0.3343



53.1461, 0.3426, 0.2865

# Square

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



53.1461, 0.2468, 0.3343



53.1461, 0.2582, 0.2566



53.1461, 0.3822, 0.3185



53.1461, 0.3660, 0.4081



# Rectangle

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



53.1461, 0.2468, 0.3343



53.1461, 0.2316, 0.2730



53.1461, 0.3822, 0.3185



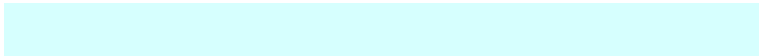
53.1461, 0.4004, 0.3775

# Sweetspot

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



53.1482, 0.2468, 0.3343



92.9734, 0.2892, 0.3304



49.8976, 0.3080, 0.4969



19.7310, 0.2863, 0.3306



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.



53.1482, 0.2468, 0.3343



80.6379, 0.2384, 0.3356



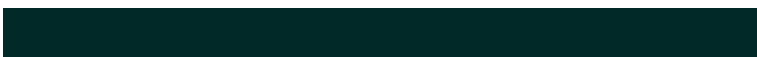
32.2761, 0.2296, 0.2539



13.3996, 0.2988, 0.3298



30.7366, 0.2277, 0.3395



1.7209, 0.2271, 0.3374



# Inverse Universe

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



23.4194, 0.4624, 0.3247



29.7537, 0.5151, 0.3245



35.9092, 0.4297, 0.3912



11.8149, 0.3285, 0.3282



8.3709, 0.6359, 0.3277

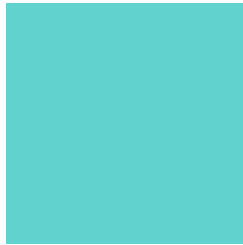


0.4705, 0.6224, 0.3203



# Previews

## White Background



This preview shows how the Yxy color 53.1461, 0.2468, 0.3343 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

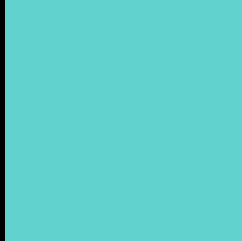
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.1461, 0.2468, 0.3343 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

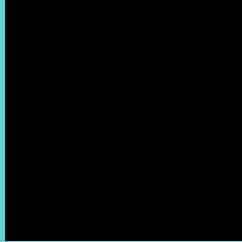
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

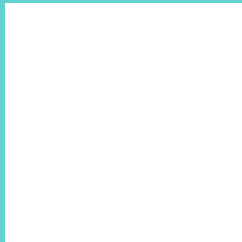
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.1461, 0.2468, 0.3343**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.1461, 0.2468, 0.3343.

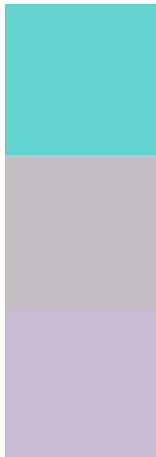


This preview shows how white text looks on a background with the Yxy color 53.1461, 0.2468, 0.3343.

# 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

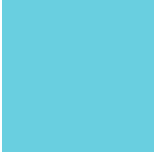
53.1461, 0.2468, 0.3343

### Protanopia

52.1913, 0.3129, 0.3241

### Deuteranopia

52.2385, 0.3060, 0.2993



## **Tritanopia**

53.0107, 0.2402, 0.3061

# Trichromacy



## Original Color

53.1461, 0.2468, 0.3343



## Protanomaly

51.3806, 0.2835, 0.3276



## Deuteranomaly

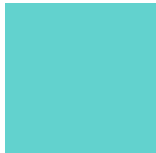
51.5262, 0.2796, 0.3110



## Tritanomaly

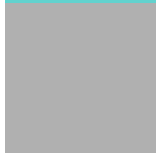
52.9463, 0.2425, 0.3166

# Monochromacy



## Original Color

53.1461, 0.2468, 0.3343



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

45.8502, 0.2821, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.1461, 0.2468, 0.3343 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(98, 210, 206)` looks like.

```
.text, #text, p{  
    color:rgb(98, 210, 206)  
}
```

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(98, 210, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 210, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 53.1461, 0.2468, 0.3343 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(98, 210, 206) }
```

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

```
.border{ border-color:rgb(98, 210, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 210, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 210, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 210, 206);  
box-shadow:4px 4px 4px 4px rgb(98, 210,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.1461, 0.2468, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 210, 206) }
```

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

```
.background{ background-color: rgb(98, 210,  
206) }
```

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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