

# Converting Colors

$Y_{xy}(53.7060, 0.2197, 0.3111)$

Have a look what the booklet for  
Yxy(53.7060, 0.2197, 0.3111)  
contains.

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# Color

**Yxy(53.6392, 0.2197, 0.3108)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01D6E3
RGB	1, 214, 227
RGB Percent	0%, 84%, 89%
CMY	0.9977, 0.1608, 0.1098
CMYK	1.00, 0.06, 0.00, 0.11
HSL	183°, 99%, 45%
HSV	183°, 100%, 89%
XYZ	37.9168, 53.6392, 81.0283
YIQ	151.7950, -131.1210, -41.1130

# Conversions

## Conversions Part 2

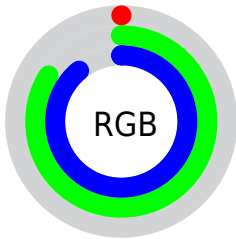
Format	Color
<b>RYB</b>	1, 111, 227
Decimal	120547
CIELab	78.25, -38.18, -18.74
CIELCh	78, 42.531, 206.142
Yxy	53.6392, 0.2197, 0.3108
Android (android.graphics.Color)	4278310627 (0xFF01D6E3)
YUV	151.7950, 37.0761, -132.2472
Hunter-Lab	73.2388, -35.7559, -14.3288

# Details

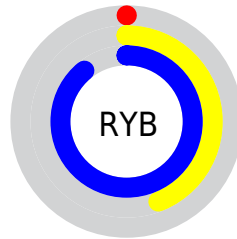
The Yxy color **53.6392, 0.2197, 0.3108** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.6361, 0.6364, 0.3326**, and the grayscale version is **31.1307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **27.7748, 0.2182, 0.3053** is the 20% darker color. If you saturate the color by 10%, you get **53.6199, 0.2197, 0.3108**, and if you desaturate by 10%, it is **54.4857, 0.2215, 0.3127**.

# Distribution



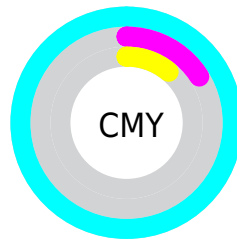
- Red (0%)
- Green (84%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)




- Cyan (100%)
- Magenta (16%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.6392, 0.2197, 0.3108 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 53.6392, 0.2197, 0.3108 by changing the saturation by 10% instead.




 53.6392, 0.2197,  
0.3108

 53.6392, 0.2197,  
0.3108

400.7327, 0.2634,  
0.3212


 38.3133, 0.2097,  
0.3079

 95.5443, 0.2349,  
0.3148


 26.2259, 0.1974,  
0.3040


 122.8922, 0.2408,  
0.3163


 16.9927, 0.1819,  
0.2986


 155.0163, 0.2459,  
0.3175

 10.2293, 0.1619,  
0.2907

 192.3010, 0.2503,  
0.3185

 5.5513, 0.1354,  
0.2785

 235.1305, 0.2542,  
0.3193

 2.5742, 0.0999,  
0.2580

283.8894, 0.2576,

 0.9137, 0.0000,

0.3201

338.9620, 0.2606,  
0.3207

0.2322

0.0000, 0.0000,  
0.0000

53.6392, 0.2197,  
0.3108

53.6199, 0.2197,  
0.3108

53.6392, 0.2197,  
0.3108

54.4857, 0.2215,  
0.3127

55.5488, 0.2249,  
0.3146

56.8956, 0.2301,  
0.3166

58.5645, 0.2372,  
0.3185

60.5880, 0.2462,  
0.3205

■ 62.9947, 0.2570,  
0.3224

■ 65.8101, 0.2694,  
0.3242

■ 69.0574, 0.2831,  
0.3259

■ 72.7584, 0.2977,  
0.3275

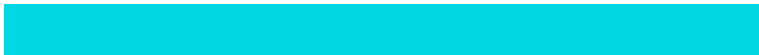
# Harmonies

## Analogous

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



53.6392, 0.2514, 0.3683



53.6392, 0.2197, 0.3108



53.6392, 0.2112, 0.2661

# Triad

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



53.6392, 0.2197, 0.3108



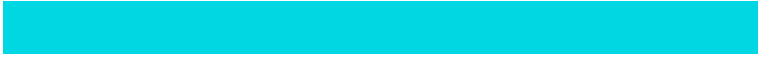
53.6392, 0.3163, 0.2592



53.6392, 0.4028, 0.4150

# Complementary

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



53.6392, 0.2197, 0.3108



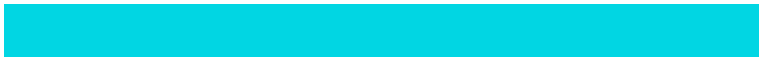
16.6361, 0.6364, 0.3326

# 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.



53.6392, 0.4254, 0.3775



53.6392, 0.2197, 0.3108



53.6392, 0.3736, 0.2917

# Square

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



53.6392, 0.2197, 0.3108



53.6392, 0.2629, 0.2416



53.6392, 0.4150, 0.3335



53.6392, 0.3567, 0.4324



# Rectangle

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



53.6392, 0.2197, 0.3108



53.6392, 0.2186, 0.2482



53.6392, 0.4150, 0.3335



53.6392, 0.4135, 0.4039

# Sweetspot

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



53.6412, 0.2197, 0.3108



85.4923, 0.2688, 0.3241



54.9694, 0.2993, 0.5974



17.9540, 0.2634, 0.3234



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

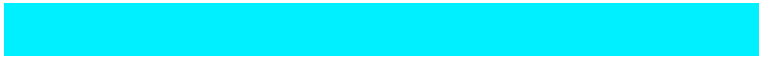


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.6412, 0.2197, 0.3108



69.7473, 0.2196, 0.3106



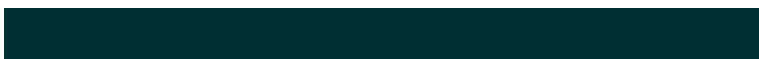
15.1474, 0.1722, 0.1397



16.1870, 0.2982, 0.3276



31.3307, 0.2197, 0.3110



2.3587, 0.2205, 0.3138



# Inverse Universe

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



21.1990, 0.3360, 0.1625



27.5722, 0.3362, 0.1626



31.0303, 0.5274, 0.4193



14.6002, 0.3147, 0.3072



12.3606, 0.3358, 0.1624

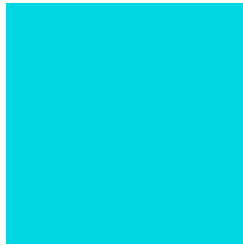


0.9178, 0.3334, 0.1610



# Previews

## White Background



This preview shows how the Yxy color 53.6392, 0.2197, 0.3108 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

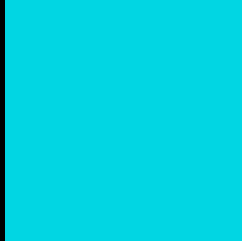
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.6392, 0.2197, 0.3108 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

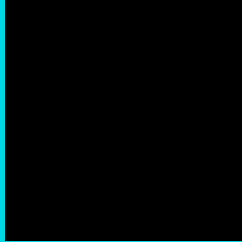
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

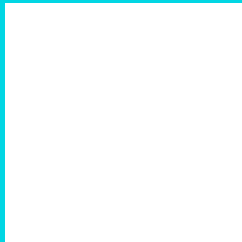
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.6392, 0.2197, 0.3108**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.6392, 0.2197, 0.3108.



This preview shows how white text looks on a background with the Yxy color 53.6392, 0.2197, 0.3108.

# 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

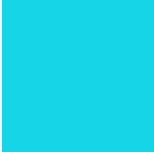
53.6456, 0.2197, 0.3108

### Protanopia

52.9622, 0.2966, 0.3035

### Deuteranopia

52.7968, 0.2821, 0.2762



## **Tritanopia**

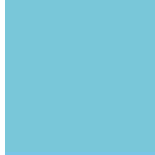
53.5175, 0.2190, 0.3042

# Trichromacy



## Original Color

53.6456, 0.2197, 0.3108



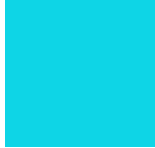
## Protanomaly

49.9215, 0.2492, 0.3046



## Deuteranomaly

49.7670, 0.2415, 0.2843



## Tritanomaly

53.3950, 0.2189, 0.3055

# Monochromacy



## Original Color

53.6456, 0.2197, 0.3108



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

36.4560, 0.2512, 0.3225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.6392, 0.2197, 0.3108 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(1, 214, 227)` looks like.

```
.text, #text, p{  
    color:rgb(1, 214, 227)  
}
```

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(1, 214, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 214, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 53.6392, 0.2197, 0.3108 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(1, 214, 227) }
```

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

```
.border{ border-color:rgb(1, 214, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 214, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 214, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 214, 227);  
box-shadow:4px 4px 4px 4px rgb(1, 214,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.6392, 0.2197, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 214, 227) }
```

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

```
.background{ background-color: rgb(1, 214,  
227) }
```

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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