

# Converting Colors

$Yxy(60.2853, 0.2395, 0.3375)$

Have a look what the booklet for  
Yxy(60.2853, 0.2395, 0.3375)  
contains.

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# Color

**Yxy(60.1226, 0.2392, 0.3368)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 51E0DA                       |
| RGB         | 81, 224, 218                 |
| RGB Percent | 32%, 88%, 85%                |
| CMY         | 0.6826, 0.1215, 0.1451       |
| CMYK        | 0.64, 0.00, 0.03, 0.12       |
| HSL         | 177°, 70%, 60%               |
| HSV         | 177°, 64%, 88%               |
| XYZ         | 42.6999, 60.1226, 75.6888    |
| YIQ         | 180.5590, -83.3020, -32.1820 |

# Conversions

## Conversions Part 2

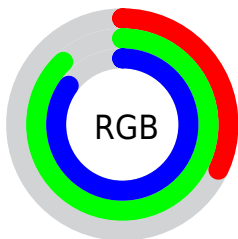
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 81, 154, 224                   |
| Decimal                             | 5365978                        |
| CIE Lab                             | 81.90, -39.06, -8.37           |
| CIE LCh                             | 82, 39.948, 192.091            |
| Yxy                                 | 60.1226, 0.2392,<br>0.3368     |
| Android<br>(android.graphics.Color) | 4283556058<br>(0xFF51E0DA)     |
| YUV                                 | 180.5590, 18.4584,<br>-87.3132 |
| Hunter-Lab                          | 77.5388, -37.3945,<br>-3.5983  |

# Details

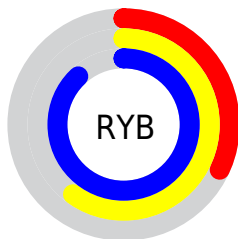
The Yxy color **60.1226, 0.2392, 0.3368** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.4107, 0.5110, 0.3235**, and the grayscale version is **45.8821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **30.6496, 0.2272, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **59.2450, 0.2339, 0.3382**, and if you desaturate by 10%, it is **61.3312, 0.2465, 0.3354**.

# Distribution



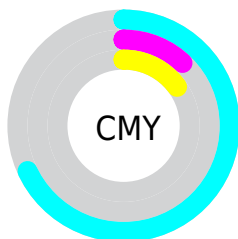
- Red (32%)
- Green (88%)
- Blue (85%)



- Red (32%)
- Yellow (60%)
- Blue (88%)



- Cyan (64%)
- Magenta (0%)
- Yellow (3%)
- Black (12%)




- Cyan (68%)
- Magenta (12%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.1226, 0.2392, 0.3368 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 60.1226, 0.2392, 0.3368 by changing the saturation by 10% instead.




 60.1226, 0.2392,  
0.3368


 60.1226, 0.2392,  
0.3368


425.0495, 0.2736,  
0.3339

 43.5175, 0.2313,  
0.3373


 105.0075, 0.2512,  
0.3360

 30.2913, 0.2215,  
0.3377


 134.0560, 0.2558,  
0.3356

 20.0598, 0.2091,  
0.3381


 168.0212, 0.2599,  
0.3352

 12.4385, 0.1929,  
0.3382

 207.2873, 0.2633,  
0.3349

 7.0431, 0.1711,  
0.3377

252.2388, 0.2664,  
0.3346

 3.4891, 0.1404,  
0.3354

303.2601, 0.2691,

 1.3921, 0.0722,

0.3344

360.7355, 0.2715,  
0.3341

0.3360

0.2109, 0.0000,  
0.2056

0.0000, 0.0000,  
0.0000

60.1226, 0.2392,  
0.3368

60.1226, 0.2392,  
0.3368

59.2450, 0.2339,  
0.3382

61.3312, 0.2465,  
0.3354

58.6581, 0.2304,  
0.3396

62.8930, 0.2556,  
0.3341


58.3234, 0.2287,  
0.3409


64.8359, 0.2665,  
0.3328


58.2026, 0.2283,  
0.3418

67.1835, 0.2789,  
0.3316

 69.9572, 0.2924,  
0.3304

 73.1771, 0.3069,  
0.3294

 76.8618, 0.3220,  
0.3284

 80.0410, 0.3338,  
0.3276

 80.0926, 0.3331,  
0.3266

# Harmonies

## Analogous

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



60.1226, 0.2771, 0.3870



60.1226, 0.2392, 0.3368



60.1226, 0.2209, 0.2892

# Triad

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



60.1226, 0.2392, 0.3368



60.1226, 0.2922, 0.2556



60.1226, 0.4075, 0.3933

# Complementary

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



60.1226, 0.2392, 0.3368



22.4107, 0.5110, 0.3235

# 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.



60.1226, 0.4141, 0.3554



60.1226, 0.2392, 0.3368



60.1226, 0.3443, 0.2797

# Square

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



60.1226, 0.2392, 0.3368



60.1226, 0.2495, 0.2474



60.1226, 0.3905, 0.3150



60.1226, 0.3746, 0.4185



# Rectangle

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



60.1226, 0.2392, 0.3368



60.1226, 0.2210, 0.2664



60.1226, 0.3905, 0.3150



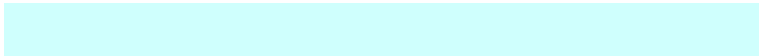
60.1226, 0.4130, 0.3815

# Sweetspot

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



60.1249, 0.2392, 0.3368



91.8105, 0.2852, 0.3310



55.9881, 0.3063, 0.5330



19.4280, 0.2813, 0.3314



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.



60.1249, 0.2392, 0.3368



79.1401, 0.2324, 0.3387



32.1404, 0.2147, 0.2352



15.5619, 0.2988, 0.3300



33.8795, 0.2282, 0.3416



2.3515, 0.2276, 0.3394



# Inverse Universe

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



22.4107, 0.5110, 0.3235



24.7559, 0.5739, 0.3244



36.7897, 0.4617, 0.4006



13.7098, 0.3286, 0.3281



9.2404, 0.6354, 0.3274

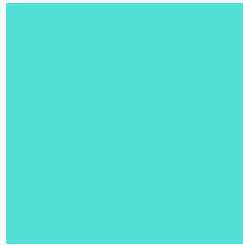


0.6438, 0.6220, 0.3200



# Previews

## White Background



This preview shows how the Yxy color 60.1226, 0.2392, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

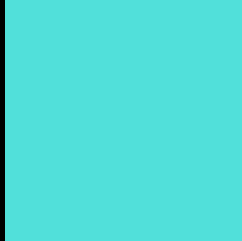
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.1226, 0.2392, 0.3368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

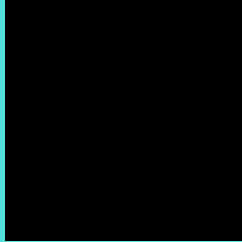
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

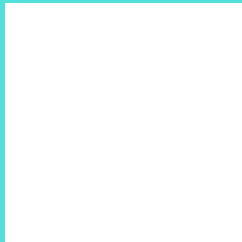
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.1226, 0.2392, 0.3368**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.1226, 0.2392, 0.3368.

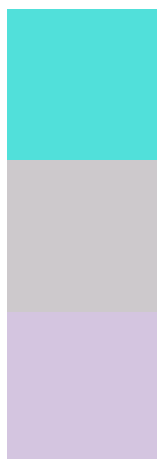


This preview shows how white text looks on a background with the Yxy color 60.1226, 0.2392, 0.3368.

# 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

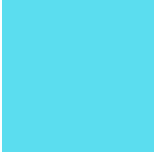
60.1226, 0.2392, 0.3368

### Protanopia

59.1121, 0.3137, 0.3255

### Deuteranopia

59.3114, 0.3049, 0.2986



## **Tritanopia**

60.1690, 0.2325, 0.3058

# Trichromacy



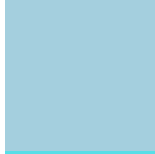
## Original Color

60.1226, 0.2392, 0.3368



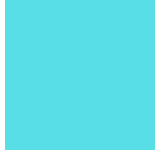
## Protanomaly

57.6780, 0.2783, 0.3289



## Deuteranomaly

57.7921, 0.2729, 0.3104



## Tritanomaly

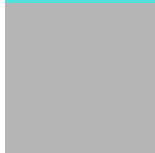
60.0383, 0.2349, 0.3171

# Monochromacy



## Original Color

60.1226, 0.2392, 0.3368



## Achromatopsia

46.2077, 0.3127, 0.3290



## Achromatomaly

49.8473, 0.2764, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.1226, 0.2392, 0.3368 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(81, 224, 218)` looks like.

```
.text, #text, p{  
    color:rgb(81, 224, 218)  
}
```

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(81, 224, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 224, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 60.1226, 0.2392, 0.3368 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(81, 224, 218) }
```

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

```
.border{ border-color:rgb(81, 224, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 224, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 224, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 224, 218);  
box-shadow:4px 4px 4px 4px rgb(81, 224,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.1226, 0.2392, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 224, 218) }
```

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

```
.background{ background-color: rgb(81, 224,  
218) }
```

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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