

# Converting Colors

$Yxy(60.3448, 0.2454, 0.3370)$

Have a look what the booklet for  
Yxy(60.3448, 0.2454, 0.3370)  
contains.

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# Color

**Yxy(60.4378, 0.2455, 0.3367)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63DFD9
RGB	99, 223, 217
RGB Percent	39%, 87%, 85%
CMY	0.6113, 0.1255, 0.1490
CMYK	0.56, 0.00, 0.03, 0.13
HSL	177°, 66%, 63%
HSV	177°, 56%, 87%
XYZ	44.0674, 60.4378, 74.9953
YIQ	185.2400, -71.9780, -28.1540

# Conversions

## Conversions Part 2

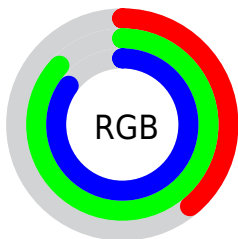
Format	Color
<b>RYB</b>	99, 163, 223
Decimal	6545369
CIELab	82.08, -35.75, -7.53
CIELCh	82, 36.537, 191.894
Yxy	60.4378, 0.2455, 0.3367
Android (android.graphics.Color)	4284735449 (0xFF63DFD9)
YUV	185.2400, 15.6577, -75.6325
Hunter-Lab	77.7418, -34.8666, -2.7762

# Details

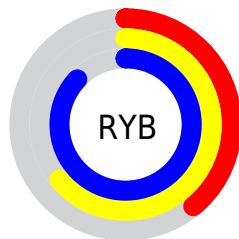
The Yxy color **60.4378, 0.2455, 0.3367** is a light color, and the websafe version is hex **33CCCC**. A complement of this color would be **25.6535, 0.4713, 0.3228**, and the grayscale version is **48.6145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **30.3845, 0.2291, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **59.2953, 0.2386, 0.3383**, and if you desaturate by 10%, it is **61.9321, 0.2543, 0.3351**.

# Distribution



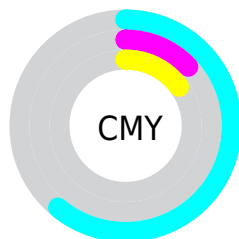
- Red (39%)
- Green (87%)
- Blue (85%)



- Red (39%)
- Yellow (64%)
- Blue (87%)



- Cyan (56%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)




- Cyan (61%)
- Magenta (13%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4378, 0.2455, 0.3367 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 60.4378, 0.2455, 0.3367 by changing the saturation by 10% instead.




 60.4378, 0.2455,  
0.3367


 60.4378, 0.2455,  
0.3367


426.2096, 0.2770,  
0.3337


 43.7716, 0.2382,  
0.3372


 105.4645, 0.2565,  
0.3358

 30.4910, 0.2292,  
0.3378


 134.5938, 0.2608,  
0.3354

 20.2116, 0.2178,  
0.3383


 168.6462, 0.2644,  
0.3350

 12.5489, 0.2028,  
0.3387

 208.0062, 0.2676,  
0.3347

 7.1187, 0.1824,  
0.3388

253.0582, 0.2704,  
0.3344

 3.5364, 0.1535,  
0.3375

304.1864, 0.2729,

 1.4178, 0.0948,

0.3342

0.3378

361.7755, 0.2751,  
0.3339

0.2298, 0.0000,  
0.2283

0.0000, 0.0000,  
0.0000

60.4378, 0.2455,  
0.3367

60.4378, 0.2455,  
0.3367

59.2953, 0.2386,  
0.3383

61.9321, 0.2543,  
0.3351

58.4684, 0.2336,  
0.3399


63.7972, 0.2649,  
0.3336

57.9252, 0.2305,  
0.3415


66.0589, 0.2769,  
0.3322


57.6239, 0.2291,  
0.3431


68.7389, 0.2902,  
0.3309


 57.5357, 0.2288,  
0.3438

 71.8570, 0.3045,  
0.3296

 75.4320, 0.3194,  
0.3285

 79.4423, 0.3346,  
0.3275

 79.5011, 0.3338,  
0.3264

 79.5603, 0.3331,  
0.3254

# Harmonies

## Analogous

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



60.4378, 0.2806, 0.3819



60.4378, 0.2455, 0.3367



60.4378, 0.2283, 0.2933

# Triad

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



60.4378, 0.2455, 0.3367



60.4378, 0.2938, 0.2612



60.4378, 0.3996, 0.3883

# Complementary

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



60.4378, 0.2455, 0.3367



25.6535, 0.4713, 0.3228

# 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.



60.4378, 0.4052, 0.3536



60.4378, 0.2455, 0.3367



60.4378, 0.3414, 0.2835

# Square

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



60.4378, 0.2455, 0.3367



60.4378, 0.2545, 0.2539



60.4378, 0.3834, 0.3162



60.4378, 0.3699, 0.4108



# Rectangle

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



60.4378, 0.2455, 0.3367



60.4378, 0.2282, 0.2720



60.4378, 0.3834, 0.3162



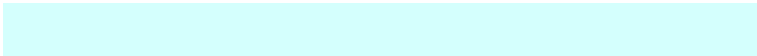
60.4378, 0.4045, 0.3775

# Sweetspot

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



60.4401, 0.2455, 0.3367



92.5510, 0.2881, 0.3311



56.6957, 0.3076, 0.5055



19.6463, 0.2853, 0.3313



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.



60.4401, 0.2455, 0.3367



80.1119, 0.2375, 0.3386



35.7139, 0.2261, 0.2497



15.5603, 0.2988, 0.3301



33.8380, 0.2288, 0.3435



2.3490, 0.2281, 0.3411



# Inverse Universe

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



25.6535, 0.4713, 0.3228



28.4036, 0.5268, 0.3227



39.9851, 0.4369, 0.3936



13.7112, 0.3285, 0.3279



9.2429, 0.6347, 0.3270

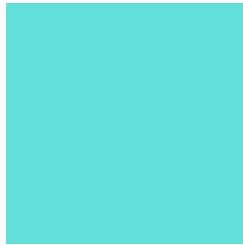


0.6445, 0.6194, 0.3186



# Previews

## White Background



This preview shows how the Yxy color 60.4378, 0.2455, 0.3367 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

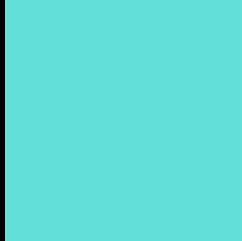
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.4378, 0.2455, 0.3367 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

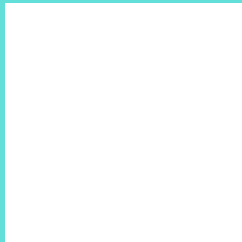
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.4378, 0.2455, 0.3367**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4378, 0.2455, 0.3367.

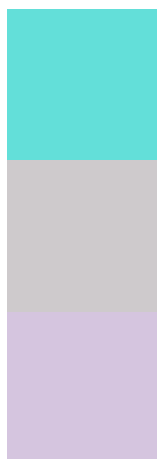


This preview shows how white text looks on a background with the Yxy color 60.4378, 0.2455, 0.3367.

# 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

60.4378, 0.2455, 0.3367

### Protanopia

59.7225, 0.3144, 0.3267

### Deuteranopia

59.4064, 0.3064, 0.2997



## Tritanopia

60.4852, 0.2382, 0.3060

# Trichromacy



## Original Color

60.4378, 0.2455, 0.3367



## Protanomaly

58.9121, 0.2830, 0.3302



## Deuteranomaly

58.1337, 0.2786, 0.3106



## Tritanomaly

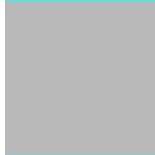
60.3691, 0.2409, 0.3172

# Monochromacy



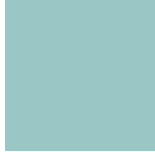
## Original Color

60.4378, 0.2455, 0.3367



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

51.7481, 0.2808, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4378, 0.2455, 0.3367 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(99, 223, 217)` looks like.

```
.text, #text, p{  
    color:rgb(99, 223, 217)  
}
```

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(99, 223, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 223, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4378, 0.2455, 0.3367 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(99, 223, 217) }
```

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

```
.border{ border-color:rgb(99, 223, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 223, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 223, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 223, 217);  
box-shadow:4px 4px 4px 4px rgb(99, 223,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4378, 0.2455, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 223, 217) }
```

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

```
.background{ background-color: rgb(99, 223,  
217) }
```

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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