

# Converting Colors

$Yxy(63.8835, 0.2455, 0.3782)$

Have a look what the booklet for  
Yxy(63.8835, 0.2455, 0.3782)  
contains.

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# Color

**Yxy(63.8835, 0.2455, 0.3782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3CEAC6
RGB	60, 234, 198
RGB Percent	24%, 92%, 78%
CMY	0.7655, 0.0823, 0.2236
CMYK	0.74, 0.00, 0.15, 0.08
HSL	168°, 81%, 58%
HSV	168°, 74%, 92%
XYZ	41.4685, 63.8835, 63.5626
YIQ	177.8700, -92.1480, -48.0840

# Conversions

## Conversions Part 2

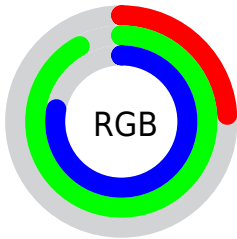
<b>Format</b>	<b>Color</b>
<b>RYB</b>	60, 157, 234
Decimal	3992262
CIELab	83.91, -51.40, 5.10
CIElCh	84, 51.653, 174.335
Yxy	63.8835, 0.2455, 0.3782
Android (android.graphics.Color)	4282182342 (0xFF3CEAC6)
YUV	177.8700, 9.9241, -103.3720
Hunter-Lab	79.9272, -47.2615, 8.7983

# Details

The Yxy color **63.8835, 0.2455, 0.3782** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **21.5470, 0.5200, 0.2976**, and the grayscale version is **44.4019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **33.4579, 0.2415, 0.3892** is the 20% darker color. If you saturate the color by 10%, you get **63.0941, 0.2435, 0.3858**, and if you desaturate by 10%, it is **65.0066, 0.2495, 0.3706**.

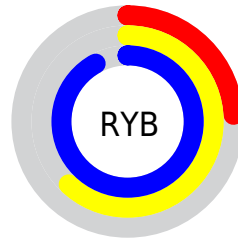
# Distribution



Red (24%)

Green (92%)

Blue (78%)



Red (24%)

Yellow (62%)

Blue (92%)

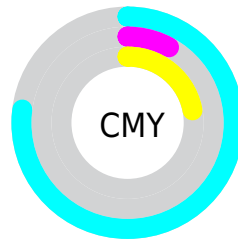


Cyan (74%)

Magenta (0%)

Yellow (15%)

Black (8%)



Cyan (77%)

Magenta (8%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8835, 0.2455, 0.3782 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 63.8835, 0.2455, 0.3782 by changing the saturation by 10% instead.




 63.8835, 0.2455,  
0.3782

 63.8835, 0.2455,  
0.3782


438.7688, 0.2773,  
0.3545


 46.5563, 0.2381,  
0.3839

 110.4431, 0.2567,  
0.3698


 32.6850, 0.2288,  
0.3910


 140.4444, 0.2610,  
0.3665

 21.8853, 0.2170,  
0.4002


 175.4391, 0.2647,  
0.3638

 13.7726, 0.2015,  
0.4126

 215.8117, 0.2679,  
0.3614

 7.9627, 0.1802,  
0.4300

261.9466, 0.2707,  
0.3593

 4.0711, 0.1495,  
0.4562

314.2282, 0.2732,

 1.7134, 0.0634,

0.3575

0.5213

373.0408, 0.2754,  
0.3559

■ 0.4323, 0.0000,  
0.7910

■ 0.0000, 0.0000,  
0.0000

■ 63.8835, 0.2455,  
0.3782

■ 63.8835, 0.2455,  
0.3782

■ 63.0941, 0.2435,  
0.3858

■ 65.0066, 0.2495,  
0.3706


■ 62.5847, 0.2433,  
0.3934

■ 66.4937, 0.2555,  
0.3631


■ 62.3841, 0.2438,  
0.3976


■ 68.3800, 0.2633,  
0.3559

■ 70.6944, 0.2726,  
0.3491

 73.4631, 0.2832,  
0.3426

 76.7102, 0.2948,  
0.3367

 80.4582, 0.3071,  
0.3313

 84.7281, 0.3198,  
0.3263

 86.4984, 0.3221,  
0.3217

# Harmonies

## Analogous

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



63.8835, 0.3024, 0.4328



63.8835, 0.2455, 0.3782



63.8835, 0.2088, 0.3109

# Triad

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



63.8835, 0.2455, 0.3782



63.8835, 0.2528, 0.2301



63.8835, 0.4418, 0.3795

# Complementary

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



63.8835, 0.2455, 0.3782



21.5470, 0.5200, 0.2976

# 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.



63.8835, 0.4281, 0.3300



63.8835, 0.2455, 0.3782



63.8835, 0.3124, 0.2486

# Square

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



63.8835, 0.2455, 0.3782



63.8835, 0.2133, 0.2325



63.8835, 0.3786, 0.2840



63.8835, 0.4171, 0.4236



# Rectangle

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



63.8835, 0.2455, 0.3782



63.8835, 0.1988, 0.2737



63.8835, 0.3786, 0.2840



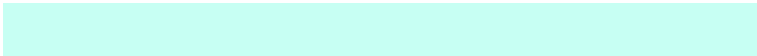
63.8835, 0.4417, 0.3631

# Sweetspot

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



63.8860, 0.2455, 0.3782



90.1436, 0.2859, 0.3412



61.7505, 0.3165, 0.5549



19.0782, 0.2828, 0.3429



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.



63.8860, 0.2455, 0.3782



76.3249, 0.2432, 0.3896



41.4492, 0.2131, 0.2599



17.0654, 0.3009, 0.3339



35.0698, 0.2434, 0.3964



2.7672, 0.2405, 0.3859



# Inverse Universe

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



21.5470, 0.5200, 0.2976



22.6007, 0.5779, 0.3043



28.7906, 0.5245, 0.3753



15.1050, 0.3260, 0.3241



9.9662, 0.6053, 0.3108

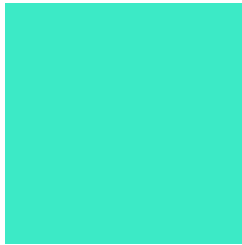


0.7962, 0.5677, 0.2901



# Previews

## White Background



This preview shows how the Yxy color 63.8835, 0.2455, 0.3782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

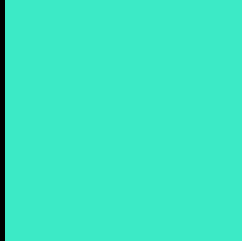
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.8835, 0.2455, 0.3782 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 63.8835, 0.2455, 0.3782**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.8835, 0.2455, 0.3782.



This preview shows how white text looks on a background with the Yxy color 63.8835, 0.2455, 0.3782.

# 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

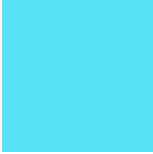
63.8835, 0.2455, 0.3782

### Protanopia

62.8381, 0.3371, 0.3555

### Deuteranopia

62.6750, 0.3310, 0.3246



## **Tritanopia**

63.5704, 0.2300, 0.3050

# Trichromacy



## Original Color

63.8835, 0.2455, 0.3782



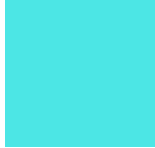
## Protanomaly

60.7734, 0.2911, 0.3648



## Deuteranomaly

60.0683, 0.2875, 0.3427



## Tritanomaly

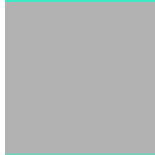
63.7873, 0.2350, 0.3301

# Monochromacy



## Original Color

63.8835, 0.2455, 0.3782



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

49.0418, 0.2756, 0.3471

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.8835, 0.2455, 0.3782 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(60, 234, 198)` looks like.

```
.text, #text, p{  
    color:rgb(60, 234, 198)  
}
```

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(60, 234, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 234, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 63.8835, 0.2455, 0.3782 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(60, 234, 198) }
```

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

```
.border{ border-color:rgb(60, 234, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 234, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 234, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 234, 198);  
box-shadow:4px 4px 4px 4px rgb(60, 234,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.8835, 0.2455, 0.3782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 234, 198) }
```

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

```
.background{ background-color: rgb(60, 234,  
198) }
```

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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