

# Converting Colors

$Yxy(63.5526, 0.2548, 0.3674)$

Have a look what the booklet for  
Yxy(63.5526, 0.2548, 0.3674)  
contains.

<b>Yxy(63.4633, 0.2548, 0.3676)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.4633, 0.2548, 0.3676)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63E6C9
RGB	99, 230, 201
RGB Percent	39%, 90%, 79%
CMY	0.6115, 0.0980, 0.2118
CMYK	0.57, 0.00, 0.13, 0.10
HSL	167°, 72%, 65%
HSV	167°, 57%, 90%
XYZ	43.9893, 63.4633, 65.1897
YIQ	187.5250, -68.7670, -36.7910

# Conversions

## Conversions Part 2

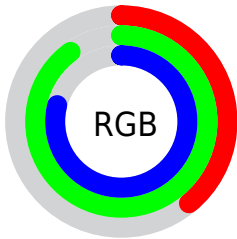
<b>Format</b>	<b>Color</b>
<b>RYB</b>	99, 173, 230
Decimal	6547145
CIELab	83.69, -42.92, 3.31
CIELCh	84, 43.048, 175.596
Yxy	63.4633, 0.2548, 0.3676
Android (android.graphics.Color)	4284737225 (0xFF63E6C9)
YUV	187.5250, 6.6432, -77.6364
Hunter-Lab	79.6639, -40.8466, 7.2471

# Details

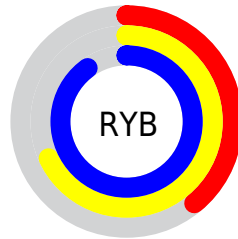
The Yxy color **63.4633, 0.2548, 0.3676** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **27.3171, 0.4463, 0.2973**, and the grayscale version is **50.0061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **32.5274, 0.2406, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **62.1130, 0.2494, 0.3757**, and if you desaturate by 10%, it is **65.1954, 0.2620, 0.3598**.

# Distribution



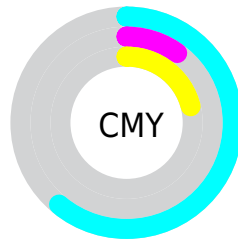
- Red (39%)
- Green (90%)
- Blue (79%)



- Red (39%)
- Yellow (68%)
- Blue (90%)



- Cyan (57%)
- Magenta (0%)
- Yellow (13%)
- Black (10%)




- Cyan (61%)
- Magenta (10%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4633, 0.2548, 0.3676 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 63.4633, 0.2548, 0.3676 by changing the saturation by 10% instead.




 63.4633, 0.2548,  
0.3676


 63.4633, 0.2548,  
0.3676

437.2489, 0.2822,  
0.3491


 46.2161, 0.2484,  
0.3720


 109.8376, 0.2644,  
0.3610


 32.4164, 0.2404,  
0.3775


 139.7336, 0.2681,  
0.3585

 21.6797, 0.2302,  
0.3846


 174.6146, 0.2713,  
0.3564

 13.6218, 0.2167,  
0.3942

 214.8650, 0.2741,  
0.3545

 7.8581, 0.1980,  
0.4076

260.8692, 0.2765,  
0.3529

 4.0043, 0.1709,  
0.4277

313.0117, 0.2786,

 1.6760, 0.1101,

0.3515

0.4705

371.6768, 0.2805,  
0.3502

■ 0.4080, 0.0000,  
0.6569

■ 0.0000, 0.0000,  
0.0000

■ 63.4633, 0.2548,  
0.3676

■ 63.4633, 0.2548,  
0.3676

■ 62.1130, 0.2494,  
0.3757

■ 65.1954, 0.2620,  
0.3598

■ 61.1047, 0.2460,  
0.3839

■ 67.3303, 0.2709,  
0.3523


■ 60.4031, 0.2445,  
0.3921


■ 69.8963, 0.2810,  
0.3453

■ 59.9593, 0.2449,  
0.4003

■ 72.9169, 0.2922,  
0.3388

 59.8502, 0.2452,  
0.4027

 76.4141, 0.3042,  
0.3328

 80.4082, 0.3166,  
0.3274

 83.9471, 0.3257,  
0.3225

 84.2485, 0.3223,  
0.3175

 84.5584, 0.3190,  
0.3126

# Harmonies

## Analogous

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



63.4633, 0.3029, 0.4128



63.4633, 0.2548, 0.3676



63.4633, 0.2238, 0.3128

# Triad

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



63.4633, 0.2548, 0.3676



63.4633, 0.2642, 0.2448



63.4633, 0.4207, 0.3753

# Complementary

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



63.4633, 0.2548, 0.3676



27.3171, 0.4463, 0.2973

# 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.



63.4633, 0.4101, 0.3329



63.4633, 0.2548, 0.3676



63.4633, 0.3153, 0.2614

# Square

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



63.4633, 0.2548, 0.3676



63.4633, 0.2291, 0.2467



63.4633, 0.3701, 0.2926



63.4633, 0.3998, 0.4111

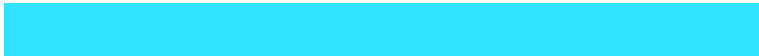


# Rectangle

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



63.4633, 0.2548, 0.3676



63.4633, 0.2154, 0.2818



63.4633, 0.3701, 0.2926



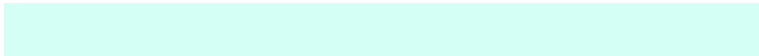
63.4633, 0.4209, 0.3614

# Sweetspot

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



63.4658, 0.2548, 0.3676



92.0821, 0.2920, 0.3389



62.2098, 0.3211, 0.5031



19.5345, 0.2897, 0.3401



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.



63.4658, 0.2548, 0.3676



78.2850, 0.2488, 0.3769



47.4353, 0.2314, 0.2817



16.2789, 0.3011, 0.3343



33.9034, 0.2449, 0.4015



2.5189, 0.2415, 0.3896



# Inverse Universe

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



27.3171, 0.4463, 0.2973



28.5905, 0.4910, 0.2948



34.7678, 0.4598, 0.3682



14.4200, 0.3258, 0.3238



9.6742, 0.6010, 0.3085

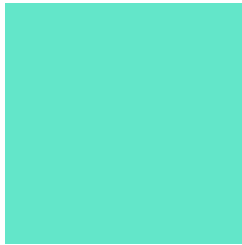


0.7287, 0.5604, 0.2861



# Previews

## White Background



This preview shows how the Yxy color 63.4633, 0.2548, 0.3676 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

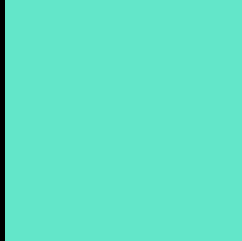
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.4633, 0.2548, 0.3676 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

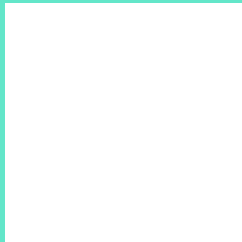
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.4633, 0.2548, 0.3676**

## Background



This preview shows how black text looks on a background with the Yxy color 63.4633, 0.2548, 0.3676.

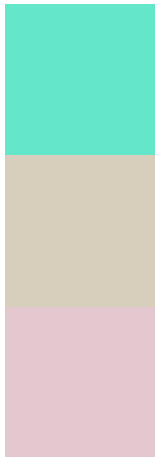


This preview shows how white text looks on a background with the Yxy color 63.4633, 0.2548, 0.3676.

# 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

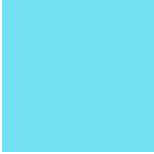
63.4633, 0.2548, 0.3676

### Protanopia

62.2205, 0.3327, 0.3498

### Deuteranopia

62.6092, 0.3287, 0.3224



## **Tritanopia**

63.2995, 0.2403, 0.3065

# Trichromacy



## Original Color

63.4633, 0.2548, 0.3676



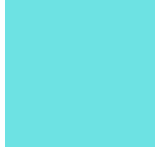
## Protanomaly

61.3354, 0.2973, 0.3564



## Deuteranomaly

61.1980, 0.2944, 0.3375



## Tritanomaly

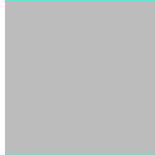
63.1900, 0.2455, 0.3275

# Monochromacy



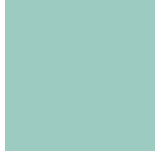
## Original Color

63.4633, 0.2548, 0.3676



## Achromatopsia

50.2886, 0.3127, 0.3290



## Achromatomaly

53.6300, 0.2851, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.4633, 0.2548, 0.3676 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, 230, 201)` looks like.

```
.text, #text, p{  
    color:rgb(99, 230, 201)  
}
```

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, 230, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 230, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 63.4633, 0.2548, 0.3676 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, 230, 201) }
```

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

```
.border{ border-color:rgb(99, 230, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 230, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 230, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 230, 201);  
box-shadow:4px 4px 4px 4px rgb(99, 230,  
201) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 63.4633, 0.2548, 0.3676$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 230, 201) }
```

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

```
.background{ background-color: rgb(99, 230,  
201) }
```

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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