

# Converting Colors

$Yxy(63.5139, 0.2534, 0.3931)$

Have a look what the booklet for  
Yxy(63.5139, 0.2534, 0.3931)  
contains.

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# Color

**Yxy(63.2434, 0.2531, 0.3926)**

# Conversions

## Conversions Part 1

Format	Color
Hex	48E9BB
RGB	72, 233, 187
RGB Percent	28%, 91%, 73%
CMY	0.7183, 0.0862, 0.2666
CMYK	0.69, 0.00, 0.20, 0.09
HSL	163°, 79%, 60%
HSV	163°, 69%, 91%
XYZ	40.7715, 63.2434, 57.0737
YIQ	179.6170, -81.1900, -48.4380

# Conversions

## Conversions Part 2

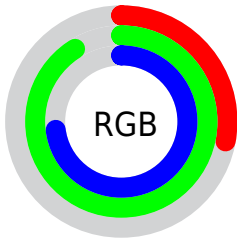
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">72, 166, 233</a>
Decimal	<a href="#">4778427</a>
CIELab	<a href="#">83.57, -52.09, 10.41</a>
CIELCh	<a href="#">84, 53.125, 168.694</a>
Yxy	<a href="#">63.2434, 0.2531, 0.3926</a>
Android (android.graphics.Color)	<a href="#">4282968507</a> ( <a href="#">0xFF48E9BB</a> )
YUV	<a href="#">179.6170, 3.6398, -94.3801</a>
Hunter-Lab	<a href="#">79.5257, -47.6560, 13.1170</a>

# Details

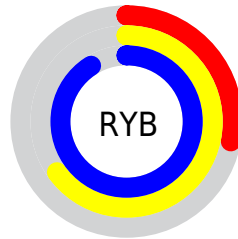
The Yxy color **63.2434, 0.2531, 0.3926** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **23.2432, 0.4782, 0.2837**, and the grayscale version is **45.4148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4800, 0.2568, 0.3426**, and **32.7719, 0.2465, 0.4074** is the 20% darker color. If you saturate the color by 10%, you get **62.2377, 0.2507, 0.4035**, and if you desaturate by 10%, it is **64.6062, 0.2575, 0.3819**.

# Distribution



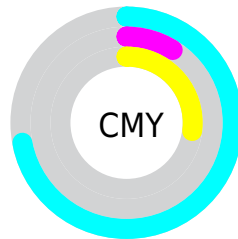
- Red (28%)
- Green (91%)
- Blue (73%)



- Red (28%)
- Yellow (65%)
- Blue (91%)



- Cyan (69%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)




- Cyan (72%)
- Magenta (9%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2434, 0.2531, 0.3926 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 63.2434, 0.2531, 0.3926 by changing the saturation by 10% instead.





 63.2434, 0.2531,  
0.3926


 63.2434, 0.2531,  
0.3926

436.4523, 0.2818,  
0.3613


 46.0381, 0.2463,  
0.4003


 109.5206, 0.2633,  
0.3813


 32.2759, 0.2377,  
0.4100


 139.3613, 0.2672,  
0.3771

 21.5723, 0.2267,  
0.4228

 174.1826, 0.2705,  
0.3734

 13.5430, 0.2119,  
0.4402

 214.3690, 0.2734,  
0.3703

 7.8035, 0.1913,  
0.4655

260.3047, 0.2759,  
0.3676

 3.9695, 0.1608,  
0.5048

312.3743, 0.2781,

 1.6565, 0.0574,

0.3652

0.6089

370.9620, 0.2800,  
0.3631

0.3953, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.2434, 0.2531,  
0.3926

63.2434, 0.2531,  
0.3926

62.2377, 0.2507,  
0.4035

64.6062, 0.2575,  
0.3819

61.5406, 0.2502,  
0.4144


66.3531, 0.2638,  
0.3714

61.0910, 0.2515,  
0.4251


68.5169, 0.2718,  
0.3615

61.0583, 0.2517,  
0.4260


71.1250, 0.2810,  
0.3521

 74.2021, 0.2913,  
0.3435

 77.7713, 0.3022,  
0.3356

 81.8542, 0.3137,  
0.3284

 85.8508, 0.3231,  
0.3220

 86.2539, 0.3188,  
0.3155

# Harmonies

## Analogous

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



63.2434, 0.3141, 0.4429



63.2434, 0.2531, 0.3926



63.2434, 0.2109, 0.3226

# Triad

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



63.2434, 0.2531, 0.3926



63.2434, 0.2415, 0.2261



63.2434, 0.4463, 0.3710

# Complementary

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



63.2434, 0.2531, 0.3926



23.2432, 0.4782, 0.2837

# 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.



63.2434, 0.4247, 0.3204



63.2434, 0.2531, 0.3926



63.2434, 0.2996, 0.2414

# Square

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



63.2434, 0.2531, 0.3926



63.2434, 0.2056, 0.2329



63.2434, 0.3683, 0.2748



63.2434, 0.4275, 0.4185



# Rectangle

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



63.2434, 0.2531, 0.3926



63.2434, 0.1973, 0.2816



63.2434, 0.3683, 0.2748



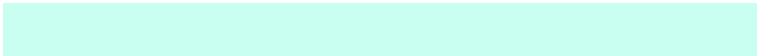
63.2434, 0.4437, 0.3540

# Sweetspot

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



63.2459, 0.2531, 0.3926



90.2743, 0.2892, 0.3451



62.7586, 0.3253, 0.5362



19.0923, 0.2863, 0.3475



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.



63.2459, 0.2531, 0.3926



75.9625, 0.2502, 0.4081



48.9253, 0.2226, 0.2850



17.0443, 0.3019, 0.3358



34.6629, 0.2512, 0.4243



2.7383, 0.2471, 0.4094



# Inverse Universe

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



23.2432, 0.4782, 0.2837



24.0080, 0.5314, 0.2861



27.7060, 0.5174, 0.3608



15.1248, 0.3248, 0.3223



10.0749, 0.5810, 0.2974

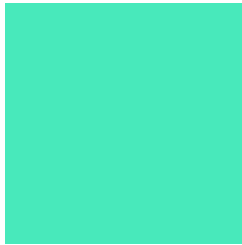


0.8072, 0.5416, 0.2757



# Previews

## White Background



This preview shows how the Yxy color 63.2434, 0.2531, 0.3926 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

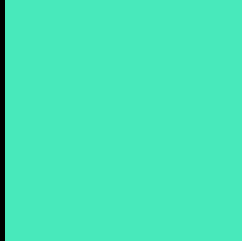
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.2434, 0.2531, 0.3926 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

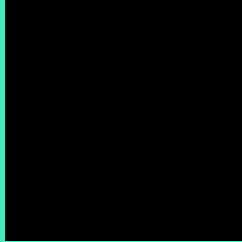
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

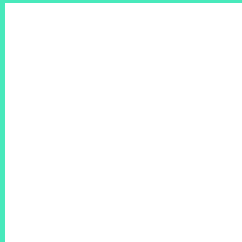
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.2434, 0.2531, 0.3926**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2434, 0.2531, 0.3926.

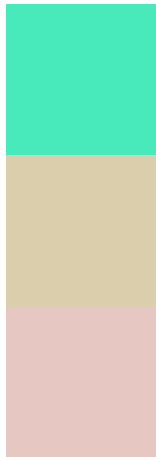


This preview shows how white text looks on a background with the Yxy color 63.2434, 0.2531, 0.3926.

# 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

63.2434, 0.2531, 0.3926

### Protanopia

62.0652, 0.3463, 0.3672

### Deuteranopia

61.7308, 0.3421, 0.3346



## Tritanopia

62.9235, 0.2336, 0.3050

# Trichromacy



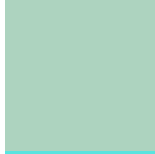
## Original Color

63.2434, 0.2531, 0.3926



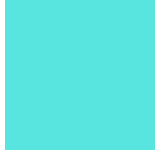
## Protanomaly

60.3254, 0.3013, 0.3778



## Deuteranomaly

59.2344, 0.2985, 0.3541



## Tritanomaly

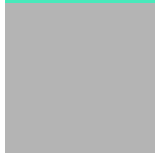
62.8892, 0.2404, 0.3353

# Monochromacy



## Original Color

63.2434, 0.2531, 0.3926



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

49.9285, 0.2809, 0.3511

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2434, 0.2531, 0.3926 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(72, 233, 187)` looks like.

```
.text, #text, p{  
    color:rgb(72, 233, 187)  
}
```

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(72, 233, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 233, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2434, 0.2531, 0.3926 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(72, 233, 187) }
```

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

```
.border{ border-color:rgb(72, 233, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 233, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 233, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 233, 187);  
box-shadow:4px 4px 4px 4px rgb(72, 233,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2434, 0.2531, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 233, 187) }
```

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

```
.background{ background-color: rgb(72, 233,  
187) }
```

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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