

# Converting Colors

Yxy(57.4189, 0.2484, 0.3728)

Have a look what the booklet for  
Yxy(57.4189, 0.2484, 0.3728)  
contains.

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# Color

**Yxy(57.4206, 0.2484, 0.3727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	49DEBF
RGB	73, 222, 191
RGB Percent	29%, 87%, 75%
CMY	0.7141, 0.1294, 0.2508
CMYK	0.67, 0.00, 0.14, 0.13
HSL	168°, 69%, 58%
HSV	168°, 67%, 87%
XYZ	38.2701, 57.4206, 58.3758
YIQ	173.9150, -78.8530, -41.2290

# Conversions

## Conversions Part 2

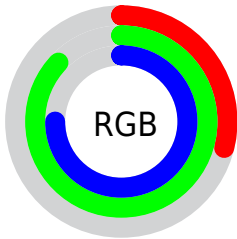
Format	Color
<a href="#">RYB</a>	<a href="#">73, 156, 222</a>
Decimal	<a href="#">4841151</a>
CIELab	<a href="#">80.42, -46.37, 3.76</a>
CIELCh	<a href="#">80, 46.523, 175.366</a>
Yxy	<a href="#">57.4206, 0.2484, 0.3727</a>
Android (android.graphics.Color)	<a href="#">4283031231</a> ( <a href="#">0xFF49DEBF</a> )
YUV	<a href="#">173.9150, 8.4229, -88.5025</a>
Hunter-Lab	<a href="#">75.7764, -42.4590, 7.3683</a>

# Details

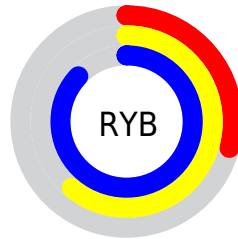
The Yxy color **57.4206, 0.2484, 0.3727** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **21.2804, 0.4887, 0.2972**, and the grayscale version is **42.2566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6387, 0.2547, 0.3380**, and **29.1074, 0.2397, 0.3828** is the 20% darker color. If you saturate the color by 10%, you get **56.5063, 0.2449, 0.3803**, and if you desaturate by 10%, it is **58.6550, 0.2539, 0.3652**.

# Distribution



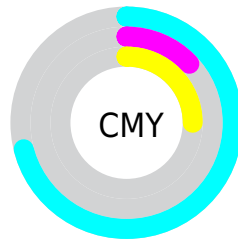
- Red (29%)
- Green (87%)
- Blue (75%)



- Red (29%)
- Yellow (61%)
- Blue (87%)



- Cyan (67%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)




- Cyan (71%)
- Magenta (13%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.4206, 0.2484, 0.3727 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 57.4206, 0.2484, 0.3727 by changing the saturation by 10% instead.




 57.4206, 0.2484,  
0.3727


 57.4206, 0.2484,  
0.3727


415.0235, 0.2794,  
0.3513

 41.3430, 0.2410,  
0.3779


 101.0786, 0.2594,  
0.3650


 28.5872, 0.2318,  
0.3844


 129.4279, 0.2636,  
0.3621

 18.7688, 0.2198,  
0.3930


 162.6365, 0.2672,  
0.3597

 11.5033, 0.2039,  
0.4047

 201.0888, 0.2703,  
0.3575

 6.4065, 0.1816,  
0.4213

245.1693, 0.2730,  
0.3557

 3.0938, 0.1486,  
0.4470

295.2623, 0.2754,

 1.1809, 0.0000,

0.3541

0.5432

351.7522, 0.2775,  
0.3526

■ 0.0460, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.4206, 0.2484,  
0.3727

■ 57.4206, 0.2484,  
0.3727

■ 56.5063, 0.2449,  
0.3803

■ 58.6550, 0.2539,  
0.3652

■ 55.8706, 0.2433,  
0.3880


■ 60.2323, 0.2612,  
0.3579


■ 55.4699, 0.2436,  
0.3956


■ 62.1812, 0.2701,  
0.3509


■ 55.3772, 0.2438,  
0.3977


■ 64.5251, 0.2804,  
0.3444

 67.2859, 0.2917,  
0.3383

 70.4834, 0.3038,  
0.3327

 74.1366, 0.3163,  
0.3276

 78.2630, 0.3291,  
0.3231

 79.3639, 0.3292,  
0.3186

# Harmonies

## Analogous

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



57.4206, 0.3015, 0.4239



57.4206, 0.2484, 0.3727



57.4206, 0.2144, 0.3106

# Triad

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



57.4206, 0.2484, 0.3727



57.4206, 0.2583, 0.2361



57.4206, 0.4332, 0.3788

# Complementary

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



57.4206, 0.2484, 0.3727



21.2804, 0.4887, 0.2972

# 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.



57.4206, 0.4214, 0.3321



57.4206, 0.2484, 0.3727



57.4206, 0.3147, 0.2542

# Square

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



57.4206, 0.2484, 0.3727



57.4206, 0.2201, 0.2379



57.4206, 0.3762, 0.2882



57.4206, 0.4095, 0.4193

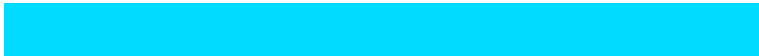


# Rectangle

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



57.4206, 0.2484, 0.3727



57.4206, 0.2053, 0.2762



57.4206, 0.3762, 0.2882



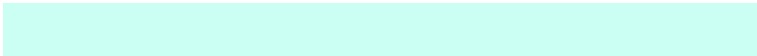
57.4206, 0.4334, 0.3634

# Sweetspot

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



57.4228, 0.2484, 0.3727



90.9137, 0.2882, 0.3400



55.7427, 0.3183, 0.5349



19.2281, 0.2850, 0.3418



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.



57.4228, 0.2484, 0.3727



76.9176, 0.2440, 0.3838



39.2337, 0.2199, 0.2679



15.5210, 0.3009, 0.3339



32.9069, 0.2435, 0.3966



2.2933, 0.2402, 0.3849



# Inverse Universe

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



21.2804, 0.4887, 0.2972



24.1724, 0.5479, 0.2995



28.3065, 0.4960, 0.3746



13.7469, 0.3259, 0.3242



9.3550, 0.6046, 0.3104

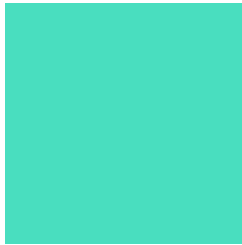


0.6614, 0.5619, 0.2869



# Previews

## White Background



This preview shows how the Yxy color 57.4206, 0.2484, 0.3727 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

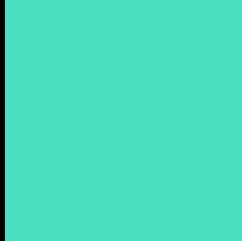
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.4206, 0.2484, 0.3727 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

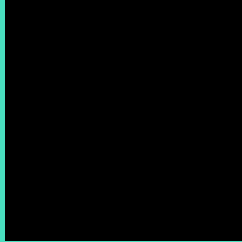
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

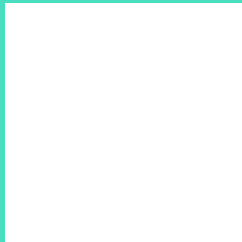
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.4206, 0.2484, 0.3727**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.4206, 0.2484, 0.3727.

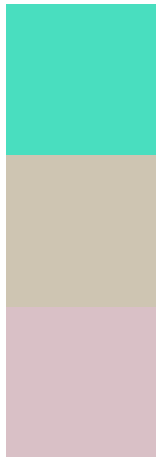


This preview shows how white text looks on a background with the Yxy color 57.4206, 0.2484, 0.3727.

# 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

57.4206, 0.2484, 0.3727

### Protanopia

56.2687, 0.3343, 0.3519

### Deuteranopia

56.5282, 0.3286, 0.3221



## Tritanopia

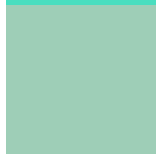
57.2702, 0.2338, 0.3066

# Trichromacy



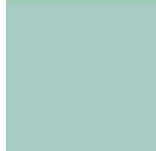
## Original Color

57.4206, 0.2484, 0.3727



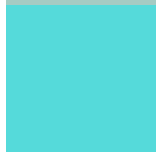
## Protanomaly

54.8306, 0.2931, 0.3594



## Deuteranomaly

54.6513, 0.2900, 0.3393



## Tritanomaly

57.1361, 0.2386, 0.3288

# Monochromacy



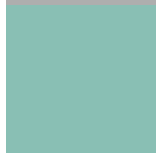
## Original Color

57.4206, 0.2484, 0.3727



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

45.8753, 0.2793, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.4206, 0.2484, 0.3727 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(73, 222, 191)` looks like.

```
.text, #text, p{  
    color:rgb(73, 222, 191)  
}
```

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(73, 222, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 222, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 57.4206, 0.2484, 0.3727 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(73, 222, 191) }
```

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

```
.border{ border-color:rgb(73, 222, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 222, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 222, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 222, 191);  
box-shadow:4px 4px 4px 4px rgb(73, 222,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.4206, 0.2484, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 222, 191) }
```

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

```
.background{ background-color: rgb(73, 222,  
191) }
```

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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