

# Converting Colors

$Yxy(70.6365, 0.2692, 0.3838)$

Have a look what the booklet for  
Yxy(70.6365, 0.2692, 0.3838)  
contains.

<b>Yxy(70.6365, 0.2692, 0.3838)</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(70.6365, 0.2692, 0.3838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CF0C5
RGB	124, 240, 197
RGB Percent	49%, 94%, 77%
CMY	0.5140, 0.0588, 0.2273
CMYK	0.48, 0.00, 0.18, 0.06
HSL	158°, 79%, 71%
HSV	158°, 48%, 94%
XYZ	49.5449, 70.6365, 63.8636
YIQ	200.4140, -55.3330, -37.9650

# Conversions

## Conversions Part 2

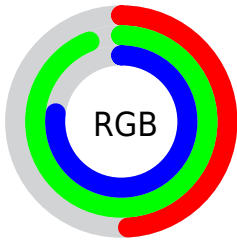
Format	Color
<a href="#">RYB</a>	124, 195, 240
Decimal	8188101
CIELab	87.31, -42.89, 10.70
CIELCh	87, 44.209, 165.990
Yxy	70.6365, 0.2692, 0.3838
Android (android.graphics.Color)	4286378181 (0xFF7CF0C5)
YUV	200.4140, -1.6831, -67.0151
Hunter-Lab	84.0455, -41.8537, 13.7792

# Details

The Yxy color **70.6365, 0.2692, 0.3838** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.7112, 0.3958, 0.2821**, and the grayscale version is **58.0556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6208, 0.2716, 0.3299**, and **36.9069, 0.2583, 0.3981** is the 20% darker color. If you saturate the color by 10%, you get **68.6692, 0.2635, 0.3976**, and if you desaturate by 10%, it is **73.0685, 0.2764, 0.3707**.

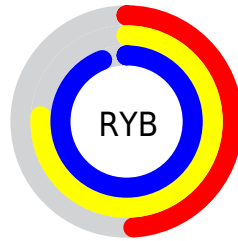
# Distribution



Red (49%)

Green (94%)

Blue (77%)



Red (49%)

Yellow (76%)

Blue (94%)

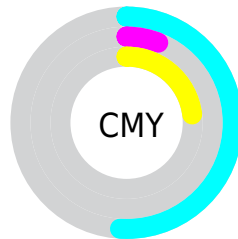


Cyan (48%)

Magenta (0%)

Yellow (18%)

Black (6%)



Cyan (51%)

Magenta (6%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6365, 0.2692, 0.3838 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 70.6365, 0.2692, 0.3838 by changing the saturation by 10% instead.





 70.6365, 0.2692,  
0.3838

 70.6365, 0.2692,  
0.3838


462.7817, 0.2898,  
0.3573


 52.0456, 0.2644,  
0.3901


 120.1160, 0.2765,  
0.3744

 37.0414, 0.2583,  
0.3981


 151.7734, 0.2793,  
0.3708

 25.2396, 0.2506,  
0.4084


 188.5551, 0.2817,  
0.3677

 16.2556, 0.2403,  
0.4223

230.8455, 0.2837,  
0.3651

 9.7052, 0.2260,  
0.4420

279.0289, 0.2855,  
0.3628

 5.2040, 0.2050,  
0.4720

333.4899, 0.2871,

 2.3674, 0.1709,

0.3608

0.5226

394.6127, 0.2886,  
0.3590

0.8091, 0.0000,  
0.8591

0.0000, 0.0000,  
0.0000

70.6365, 0.2692,  
0.3838

70.6365, 0.2692,  
0.3838

68.6692, 0.2635,  
0.3976

73.0685, 0.2764,  
0.3707

67.1255, 0.2596,  
0.4120


75.9860, 0.2849,  
0.3584


65.9714, 0.2577,  
0.4265


79.4186, 0.2942,  
0.3471


65.1631, 0.2579,  
0.4409

83.3912, 0.3041,  
0.3368

 64.6389, 0.2600,  
0.4550

 87.9269, 0.3144,  
0.3276

 64.5661, 0.2604,  
0.4573

 90.5111, 0.3162,  
0.3190

 90.8070, 0.3134,  
0.3146

# Harmonies

## Analogous

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



70.6365, 0.3200, 0.4205



70.6365, 0.2692, 0.3838



70.6365, 0.2321, 0.3299

# Triad

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



70.6365, 0.2692, 0.3838



70.6365, 0.2514, 0.2439



70.6365, 0.4200, 0.3617

# Complementary

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



70.6365, 0.2692, 0.3838



35.7112, 0.3958, 0.2821

# 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.



70.6365, 0.3992, 0.3195



70.6365, 0.2692, 0.3838



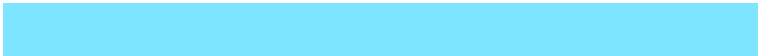
70.6365, 0.2979, 0.2549

# Square

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



70.6365, 0.2692, 0.3838



70.6365, 0.2229, 0.2523



70.6365, 0.3528, 0.2817



70.6365, 0.4087, 0.4005



# Rectangle

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



70.6365, 0.2692, 0.3838



70.6365, 0.2189, 0.2961



70.6365, 0.3528, 0.2817



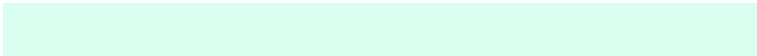
70.6365, 0.4166, 0.3476

# Sweetspot

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



70.6393, 0.2692, 0.3838



92.5746, 0.2975, 0.3436



72.1521, 0.3325, 0.4701



19.6163, 0.2954, 0.3458



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.



70.6393, 0.2692, 0.3838



78.8333, 0.2636, 0.3974



65.2195, 0.2458, 0.3122



17.8239, 0.3030, 0.3379



35.3672, 0.2597, 0.4550



2.9614, 0.2546, 0.4365



# Inverse Universe

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



35.7112, 0.3958, 0.2821



34.3999, 0.4229, 0.2744



38.0063, 0.4400, 0.3442



15.8556, 0.3235, 0.3203



10.5581, 0.5497, 0.2802

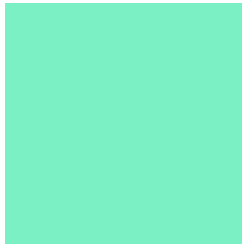


0.8969, 0.5137, 0.2604



# Previews

## White Background



This preview shows how the Yxy color 70.6365, 0.2692, 0.3838 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

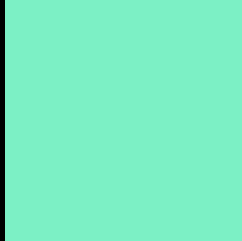
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.6365, 0.2692, 0.3838 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 70.6365, 0.2692, 0.3838**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6365, 0.2692, 0.3838.

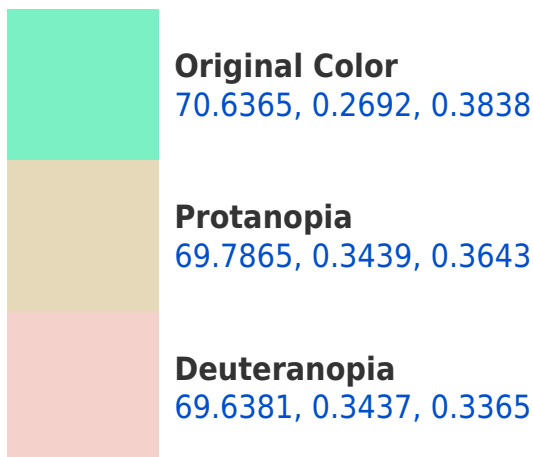


This preview shows how white text looks on a background with the Yxy color 70.6365, 0.2692, 0.3838.

# 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





## Tritanopia

70.7318, 0.2489, 0.3077

# Trichromacy



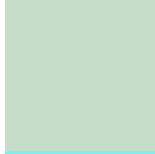
## Original Color

70.6365, 0.2692, 0.3838



## Protanomaly

68.6009, 0.3121, 0.3717



## Deuteranomaly

68.2093, 0.3109, 0.3522



## Tritanomaly

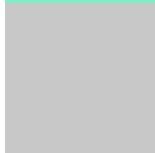
70.8288, 0.2565, 0.3349

# Monochromacy



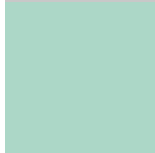
## Original Color

70.6365, 0.2692, 0.3838



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

61.4951, 0.2928, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6365, 0.2692, 0.3838 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(124, 240, 197)` looks like.

```
.text, #text, p{  
    color:rgb(124, 240, 197)  
}
```

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(124, 240, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 240, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6365, 0.2692, 0.3838 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(124, 240, 197) }
```

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

```
.border{ border-color:rgb(124, 240, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 240, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 240, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 240, 197);  
box-shadow:4px 4px 4px 4px rgb(124, 240,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6365, 0.2692, 0.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 240, 197) }
```

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

```
.background{ background-color: rgb(124,  
240, 197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor