

# Converting Colors

$Yxy(71.3858, 0.2487, 0.3765)$

Have a look what the booklet for  
Yxy(71.3858, 0.2487, 0.3765)  
contains.

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# Color

**Yxy(71.4786, 0.2488, 0.3769)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4EF5D0
RGB	78, 245, 208
RGB Percent	31%, 96%, 82%
CMY	0.6938, 0.0392, 0.1843
CMYK	0.68, 0.00, 0.15, 0.04
HSL	167°, 89%, 63%
HSV	167°, 68%, 96%
XYZ	47.1846, 71.4786, 70.9855
YIQ	190.8490, -87.6550, -46.9110

# Conversions

## Conversions Part 2

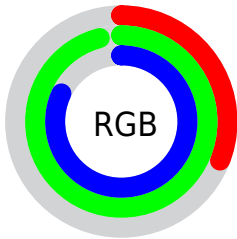
<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 172, 245
Decimal	5174736
CIELab	87.72, -51.15, 5.40
CIElCh	88, 51.436, 173.971
Yxy	71.4786, 0.2488, 0.3769
Android (android.graphics.Color)	4283364816 (0xFF4EF5D0)
YUV	190.8490, 8.4554, -98.9686
Hunter-Lab	84.5450, -48.3329, 9.4006

# Details

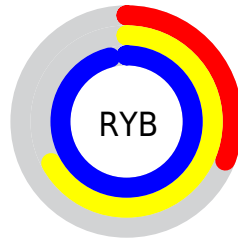
The Yxy color **71.4786, 0.2488, 0.3769** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.1132, 0.4909, 0.2948**, and the grayscale version is **52.0117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **38.2995, 0.2410, 0.3876** is the 20% darker color. If you saturate the color by 10%, you get **70.3681, 0.2456, 0.3852**, and if you desaturate by 10%, it is **72.9891, 0.2539, 0.3688**.

# Distribution



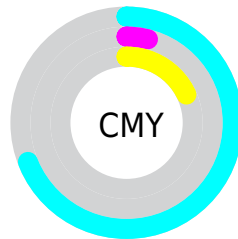
- Red (31%)
- Green (96%)
- Blue (82%)



- Red (31%)
- Yellow (67%)
- Blue (96%)



- Cyan (68%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)




- Cyan (69%)
- Magenta (4%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4786, 0.2488, 0.3769 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 71.4786, 0.2488, 0.3769 by changing the saturation by 10% instead.




 71.4786, 0.2488,  
0.3769

 71.4786, 0.2488,  
0.3769

465.7248, 0.2785,  
0.3542


 52.7329, 0.2420,  
0.3822


 121.3149, 0.2591,  
0.3689


 37.5896, 0.2336,  
0.3888


 153.1743, 0.2631,  
0.3659

 25.6643, 0.2230,  
0.3973


 190.1738, 0.2666,  
0.3632

 16.5727, 0.2092,  
0.4085

 232.6976, 0.2696,  
0.3609

 9.9303, 0.1906,  
0.4240

281.1302, 0.2722,  
0.3589

 5.3528, 0.1642,  
0.4467


335.8560, 0.2746,

 2.4557, 0.1215,


0.3572

0.4847


397.2594, 0.2766,  
0.3556


 0.8543, 0.0000,  
0.6073


 0.0000, 0.0000,  
0.0000


 71.4786, 0.2488,  
0.3769

 71.4786, 0.2488,  
0.3769

 70.3681, 0.2456,  
0.3852


 72.9891, 0.2539,  
0.3688

 69.6040, 0.2445,  
0.3934


 74.9298, 0.2610,  
0.3609

 69.1264, 0.2451,  
0.4016


 77.3372, 0.2696,  
0.3533


 69.0519, 0.2453,  
0.4031

 80.2417, 0.2796,  
0.3462

 83.6712, 0.2908,  
0.3396

 87.6514, 0.3027,  
0.3335

 92.2063, 0.3151,  
0.3280

 93.5569, 0.3153,  
0.3228

 93.7837, 0.3132,  
0.3194

# Harmonies

## Analogous

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



71.4786, 0.3039, 0.4285



71.4786, 0.2488, 0.3769



71.4786, 0.2130, 0.3127

# Triad

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



71.4786, 0.2488, 0.3769



71.4786, 0.2545, 0.2335



71.4786, 0.4367, 0.3775

# Complementary

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



71.4786, 0.2488, 0.3769



26.1132, 0.4909, 0.2948

# 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.



71.4786, 0.4230, 0.3297



71.4786, 0.2488, 0.3769



71.4786, 0.3118, 0.2512

# Square

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



71.4786, 0.2488, 0.3769



71.4786, 0.2165, 0.2363



71.4786, 0.3752, 0.2852



71.4786, 0.4137, 0.4199



# Rectangle

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



71.4786, 0.2488, 0.3769



71.4786, 0.2030, 0.2767



71.4786, 0.3752, 0.2852



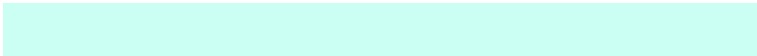
71.4786, 0.4364, 0.3617

# Sweetspot

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



71.4814, 0.2488, 0.3769



90.8706, 0.2886, 0.3408



69.6393, 0.3195, 0.5378



19.2177, 0.2854, 0.3426



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.



71.4814, 0.2488, 0.3769



76.6849, 0.2449, 0.3885



49.7513, 0.2195, 0.2704



18.6913, 0.3010, 0.3343



37.2220, 0.2449, 0.4018



3.2866, 0.2421, 0.3915



# Inverse Universe

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



26.1132, 0.4909, 0.2948



23.9832, 0.5477, 0.2975



34.0298, 0.5037, 0.3721



16.5426, 0.3259, 0.3238



10.6198, 0.6016, 0.3088

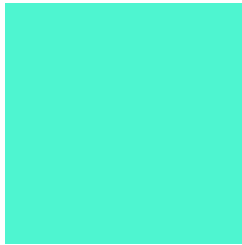


0.9482, 0.5675, 0.2900



# Previews

## White Background



This preview shows how the Yxy color 71.4786, 0.2488, 0.3769 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

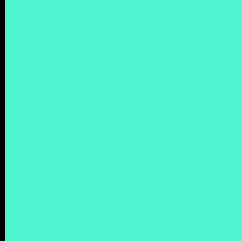
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4786, 0.2488, 0.3769 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

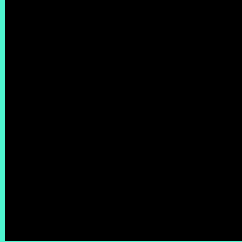
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.4786, 0.2488, 0.3769**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4786, 0.2488, 0.3769.

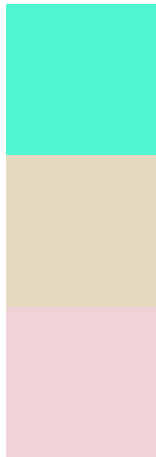


This preview shows how white text looks on a background with the Yxy color 71.4786, 0.2488, 0.3769.

# 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

71.4786, 0.2488, 0.3769

### Protanopia

69.9699, 0.3375, 0.3554

### Deuteranopia

70.0201, 0.3317, 0.3248



## Tritanopia

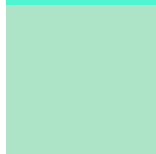
71.2991, 0.2378, 0.3074

# Trichromacy



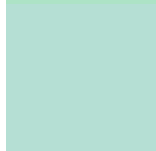
## Original Color

71.4786, 0.2488, 0.3769



## Protanomaly

67.8996, 0.2945, 0.3642



## Deuteranomaly

67.3526, 0.2911, 0.3420



## Tritanomaly

71.2025, 0.2412, 0.3313

# Monochromacy



## Original Color

71.4786, 0.2488, 0.3769



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

57.1038, 0.2794, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4786, 0.2488, 0.3769 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(78, 245, 208)` looks like.

```
.text, #text, p{  
    color:rgb(78, 245, 208)  
}
```

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(78, 245, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 245, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4786, 0.2488, 0.3769 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(78, 245, 208) }
```

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

```
.border{ border-color:rgb(78, 245, 208) }
```

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

Here you see how a box with a 4 pixel rgb(78, 245, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 245, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 245, 208);  
box-shadow:4px 4px 4px 4px rgb(78, 245,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4786, 0.2488, 0.3769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 245, 208) }
```

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

```
.background{ background-color: rgb(78, 245,  
208) }
```

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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