

# Converting Colors

$Yxy(71.7986, 0.2677, 0.3988)$

Have a look what the booklet for  
Yxy(71.7986, 0.2677, 0.3988)  
contains.

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# Color

**Yxy(71.7986, 0.2677, 0.3988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FF4BE
RGB	111, 244, 190
RGB Percent	44%, 96%, 75%
CMY	0.5649, 0.0431, 0.2548
CMYK	0.55, 0.00, 0.22, 0.04
HSL	156°, 86%, 70%
HSV	156°, 55%, 96%
XYZ	48.1958, 71.7986, 60.0422
YIQ	198.0770, -61.9340, -44.9900

# Conversions

## Conversions Part 2

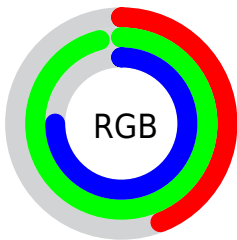
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 194, 244
Decimal	7337150
CIE <sub>Lab</sub>	87.87, -49.01, 15.08
CIE <sub>LCh</sub>	88, 51.278, 162.895
Yxy	71.7986, 0.2677, 0.3988
Android (android.graphics.Color)	4285527230 (0xFF6FF4BE)
YUV	198.0770, -3.9820, -76.3665
Hunter-Lab	84.7341, -46.7558, 17.3012

# Details

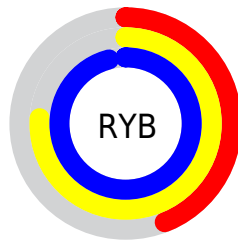
The Yxy color **71.7986, 0.2677, 0.3988** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.3046, 0.4065, 0.2720**, and the grayscale version is **56.5668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8317, 0.2699, 0.3388**, and **37.8390, 0.2559, 0.4166** is the 20% darker color. If you saturate the color by 10%, you get **70.0116, 0.2634, 0.4145**, and if you desaturate by 10%, it is **74.0529, 0.2737, 0.3837**.

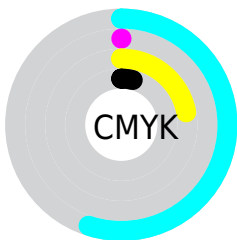
# Distribution



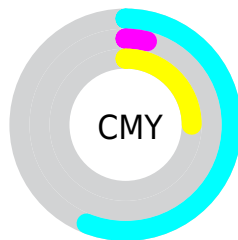
- Red (44%)
- Green (96%)
- Blue (75%)



- Red (44%)
- Yellow (76%)
- Blue (96%)



- Cyan (55%)
- Magenta (0%)
- Yellow (22%)
- Black (4%)




- Cyan (56%)
- Magenta (4%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7986, 0.2677, 0.3988 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 71.7986, 0.2677, 0.3988 by changing the saturation by 10% instead.





 71.7986, 0.2677,  
0.3988


 71.7986, 0.2677,  
0.3988


466.8403, 0.2893,  
0.3649


 52.9942, 0.2626,  
0.4070


 121.7701, 0.2753,  
0.3867

 37.7981, 0.2562,  
0.4173


 153.7061, 0.2783,  
0.3821

 25.8260, 0.2480,  
0.4307


 190.7879, 0.2808,  
0.3781

 16.6935, 0.2369,  
0.4489

233.4001, 0.2829,  
0.3748

 10.0162, 0.2216,  
0.4747

281.9271, 0.2848,  
0.3718

 5.4097, 0.1987,  
0.5141


336.7532, 0.2865,

 2.4896, 0.1598,


0.3692


0.5817


398.2628, 0.2880,  
0.3669


 0.8714, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 71.7986, 0.2677,  
0.3988

 71.7986, 0.2677,  
0.3988

 70.0116, 0.2634,  
0.4145


 74.0529, 0.2737,  
0.3837


 68.6465, 0.2610,  
0.4305


 76.7985, 0.2811,  
0.3696


 67.6637, 0.2607,  
0.4464


 80.0678, 0.2895,  
0.3564


 67.0110, 0.2624,  
0.4620

 83.8880, 0.2987,  
0.3444

 66.7519, 0.2640,  
0.4704

 88.2845, 0.3083,  
0.3335

 92.8333, 0.3166,  
0.3238

 93.1875, 0.3132,  
0.3185

# Harmonies

## Analogous

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



71.7986, 0.3264, 0.4381



71.7986, 0.2677, 0.3988



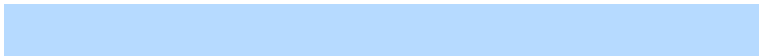
71.7986, 0.2238, 0.3358

# Triad

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



71.7986, 0.2677, 0.3988



71.7986, 0.2382, 0.2323



71.7986, 0.4356, 0.3599

# Complementary

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



71.7986, 0.2677, 0.3988



33.3046, 0.4065, 0.2720

# 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.



71.7986, 0.4082, 0.3126



71.7986, 0.2677, 0.3988



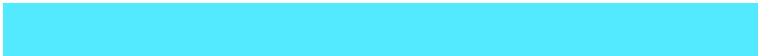
71.7986, 0.2891, 0.2428

# Square

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



71.7986, 0.2677, 0.3988



71.7986, 0.2088, 0.2435



71.7986, 0.3522, 0.2713



71.7986, 0.4255, 0.4053



# Rectangle

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



71.7986, 0.2677, 0.3988



71.7986, 0.2075, 0.2957



71.7986, 0.3522, 0.2713



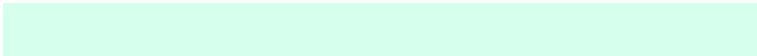
71.7986, 0.4305, 0.3439

# Sweetspot

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



71.8015, 0.2677, 0.3988



92.0455, 0.2973, 0.3461



74.0025, 0.3365, 0.4880



19.5083, 0.2953, 0.3486



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.



71.8015, 0.2677, 0.3988



77.2762, 0.2632, 0.4155



68.1409, 0.2406, 0.3153



18.6374, 0.3035, 0.3388



36.3204, 0.2633, 0.4679



3.2125, 0.2579, 0.4486



# Inverse Universe

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



33.3046, 0.4065, 0.2720



30.8638, 0.4360, 0.2645



34.3073, 0.4686, 0.3410



16.5940, 0.3230, 0.3194



10.9732, 0.5356, 0.2724

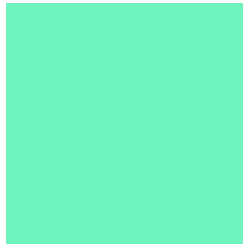


0.9843, 0.5027, 0.2543



# Previews

## White Background



This preview shows how the Yxy color 71.7986, 0.2677, 0.3988 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

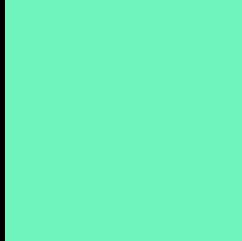
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7986, 0.2677, 0.3988 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 71.7986, 0.2677, 0.3988**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7986, 0.2677, 0.3988.



This preview shows how white text looks on a background with the Yxy color 71.7986, 0.2677, 0.3988.

# 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

71.7986, 0.2677, 0.3988

### Protanopia

70.4729, 0.3517, 0.3739

### Deuteranopia

70.5762, 0.3511, 0.3438



## Tritanopia

71.3977, 0.2446, 0.3066

# Trichromacy



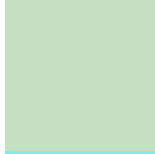
## Original Color

71.7986, 0.2677, 0.3988



## Protanomaly

69.0069, 0.3143, 0.3828



## Deuteranomaly

68.6762, 0.3139, 0.3629



## Tritanomaly

71.2037, 0.2526, 0.3374

# Monochromacy



## Original Color

71.7986, 0.2677, 0.3988



## Achromatopsia

56.4712, 0.3127, 0.3290



## Achromatomaly

60.6480, 0.2913, 0.3542

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7986, 0.2677, 0.3988 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(111, 244, 190)` looks like.

```
.text, #text, p{  
    color:rgb(111, 244, 190)  
}
```

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(111, 244, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 244, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7986, 0.2677, 0.3988 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(111, 244, 190) }
```

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

```
.border{ border-color:rgb(111, 244, 190) }
```

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

Here you see how a box with a 4 pixel rgb(111, 244, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 244, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 244, 190);  
box-shadow:4px 4px 4px 4px rgb(111, 244,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7986, 0.2677, 0.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 244, 190) }
```

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

```
.background{ background-color: rgb(111,  
244, 190) }
```

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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