

# Converting Colors

$Yxy(70.0064, 0.2648, 0.3786)$

Have a look what the booklet for  
Yxy(70.0064, 0.2648, 0.3786)  
contains.

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# Color

**Yxy(69.8016, 0.2645, 0.3776)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76EFC9
RGB	118, 239, 201
RGB Percent	46%, 94%, 79%
CMY	0.5367, 0.0628, 0.2117
CMYK	0.51, 0.00, 0.16, 0.06
HSL	161°, 79%, 70%
HSV	161°, 51%, 94%
XYZ	48.8944, 69.8016, 66.1599
YIQ	198.4890, -59.9180, -37.4700

# Conversions

## Conversions Part 2

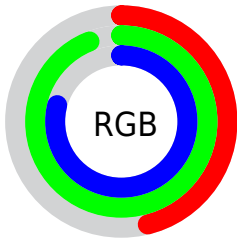
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 190, 239
Decimal	7794633
CIELab	86.90, -42.90, 8.01
CIELCh	87, 43.644, 169.418
Yxy	69.8016, 0.2645, 0.3776
Android (android.graphics.Color)	4285984713 (0xFF76EFC9)
YUV	198.4890, 1.2379, -70.5889
Hunter-Lab	83.5474, -41.7444, 11.5323

# Details

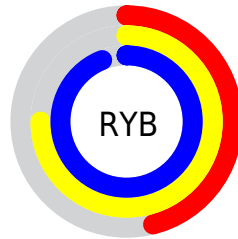
The Yxy color **69.8016, 0.2645, 0.3776** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **33.7413, 0.4100, 0.2876**, and the grayscale version is **56.8262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **36.3747, 0.2526, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **67.9907, 0.2587, 0.3893**, and if you desaturate by 10%, it is **72.0593, 0.2719, 0.3665**.

# Distribution



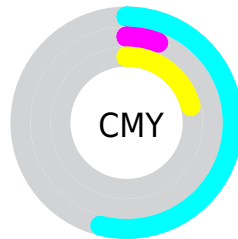
- Red (46%)
- Green (94%)
- Blue (79%)



- Red (46%)
- Yellow (75%)
- Blue (94%)



- Cyan (51%)
- Magenta (0%)
- Yellow (16%)
- Black (6%)




- Cyan (54%)
- Magenta (6%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8016, 0.2645, 0.3776 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 69.8016, 0.2645, 0.3776 by changing the saturation by 10% instead.




 69.8016, 0.2645,  
0.3776


 69.8016, 0.2645,  
0.3776


459.8531, 0.2872,  
0.3543

 51.3648, 0.2592,  
0.3831


 118.9258, 0.2725,  
0.3693

 36.4990, 0.2526,  
0.3901


 150.3820, 0.2755,  
0.3662

 24.8198, 0.2442,  
0.3991


 186.9467, 0.2782,  
0.3635

 15.9429, 0.2331,  
0.4112

229.0045, 0.2805,  
0.3611

 9.4837, 0.2178,  
0.4283

276.9396, 0.2825,  
0.3591

 5.0580, 0.1955,  
0.4541

331.1364, 0.2842,

 2.2814, 0.1594,

0.3573

0.4976

391.9795, 0.2858,  
0.3557

0.7638, 0.0000,  
0.7379

0.0000, 0.0000,  
0.0000

69.8016, 0.2645,  
0.3776

69.8016, 0.2645,  
0.3776

67.9907, 0.2587,  
0.3893

72.0593, 0.2719,  
0.3665

66.5853, 0.2548,  
0.4013


74.7850, 0.2807,  
0.3560


65.5506, 0.2529,  
0.4134

78.0082, 0.2905,  
0.3463


64.8418, 0.2530,  
0.4255


81.7537, 0.3011,  
0.3374

 64.4021, 0.2546,  
0.4367

 86.0448, 0.3121,  
0.3294

 89.6440, 0.3189,  
0.3222

 90.1147, 0.3143,  
0.3150

 90.2058, 0.3134,  
0.3136

# Harmonies

## Analogous

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



69.8016, 0.3139, 0.4170



69.8016, 0.2645, 0.3776



69.8016, 0.2298, 0.3238

# Triad

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



69.8016, 0.2645, 0.3776



69.8016, 0.2564, 0.2449



69.8016, 0.4193, 0.3662

# Complementary

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



69.8016, 0.2645, 0.3776



33.7413, 0.4100, 0.2876

# 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.



69.8016, 0.4023, 0.3243



69.8016, 0.2645, 0.3776



69.8016, 0.3041, 0.2578

# Square

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



69.8016, 0.2645, 0.3776



69.8016, 0.2258, 0.2509



69.8016, 0.3585, 0.2860



69.8016, 0.4048, 0.4036



# Rectangle

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



69.8016, 0.2645, 0.3776



69.8016, 0.2184, 0.2913



69.8016, 0.3585, 0.2860



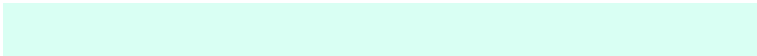
69.8016, 0.4172, 0.3523

# Sweetspot

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



69.8044, 0.2645, 0.3776



92.7033, 0.2963, 0.3413



70.1454, 0.3277, 0.4796



19.6474, 0.2941, 0.3432



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.



69.8044, 0.2645, 0.3776



78.6601, 0.2584, 0.3900



59.6311, 0.2415, 0.3010



17.8395, 0.3023, 0.3365



35.6189, 0.2541, 0.4348



2.9811, 0.2498, 0.4191



# Inverse Universe

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



33.7413, 0.4100, 0.2876



32.4178, 0.4435, 0.2813



38.5012, 0.4436, 0.3537



15.8407, 0.3244, 0.3216



10.4434, 0.5710, 0.2919

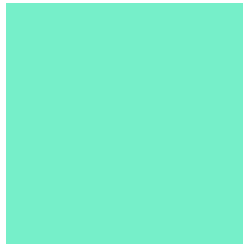


0.8861, 0.5338, 0.2714



# Previews

## White Background



This preview shows how the Yxy color 69.8016, 0.2645, 0.3776 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

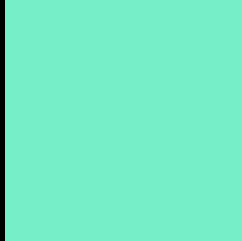
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8016, 0.2645, 0.3776 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

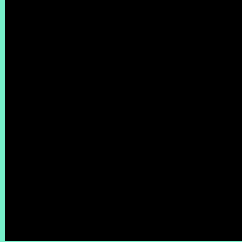
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.8016, 0.2645, 0.3776**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8016, 0.2645, 0.3776.



This preview shows how white text looks on a background with the Yxy color 69.8016, 0.2645, 0.3776.

# 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

69.8016, 0.2645, 0.3776

### Protanopia

68.9546, 0.3389, 0.3590

### Deuteranopia

68.6312, 0.3378, 0.3312



## Tritanopia

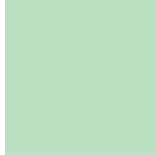
69.6648, 0.2460, 0.3064

# Trichromacy



## Original Color

69.8016, 0.2645, 0.3776



## Protanomaly

67.7264, 0.3068, 0.3660



## Deuteranomaly

67.3299, 0.3055, 0.3465



## Tritanomaly

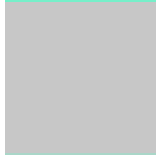
69.8890, 0.2527, 0.3313

# Monochromacy



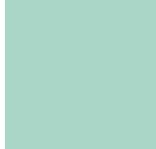
## Original Color

69.8016, 0.2645, 0.3776



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

60.8093, 0.2908, 0.3464

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8016, 0.2645, 0.3776 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(118, 239, 201)` looks like.

```
.text, #text, p{  
    color:rgb(118, 239, 201)  
}
```

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(118, 239, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 239, 201) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8016, 0.2645, 0.3776 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(118, 239, 201) }
```

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

```
.border{ border-color:rgb(118, 239, 201) }
```

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

Here you see how a box with a 4 pixel rgb(118, 239, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 239, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 239, 201);  
box-shadow:4px 4px 4px 4px rgb(118, 239,  
201) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8016, 0.2645, 0.3776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 239, 201) }
```

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

```
.background{ background-color: rgb(118,  
239, 201) }
```

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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