

# Converting Colors

$Yxy(68.9722, 0.2575, 0.3677)$

Have a look what the booklet for  
Yxy(68.9722, 0.2575, 0.3677)  
contains.

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# Color

**Yxy(69.0181, 0.2576, 0.3674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EEED0
RGB	110, 238, 208
RGB Percent	43%, 93%, 82%
CMY	0.5685, 0.0667, 0.1843
CMYK	0.54, 0.00, 0.13, 0.07
HSL	166°, 79%, 68%
HSV	166°, 54%, 93%
XYZ	48.3916, 69.0181, 70.4458
YIQ	196.3080, -66.6580, -36.4660

# Conversions

## Conversions Part 2

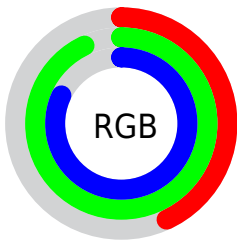
Format	Color
<a href="#">RYB</a>	<a href="#">110, 182, 238</a>
Decimal	<a href="#">7270096</a>
CIELab	<a href="#">86.51, -42.61, 3.77</a>
CIELCh	<a href="#">87, 42.781, 174.948</a>
Yxy	<a href="#">69.0181, 0.2576, 0.3674</a>
Android (android.graphics.Color)	<a href="#">4285460176</a> ( <a href="#">0xFF6EEED0</a> )
YUV	<a href="#">196.3080, 5.7642, -75.6921</a>
Hunter-Lab	<a href="#">83.0771, -41.4106, 7.8786</a>

# Details

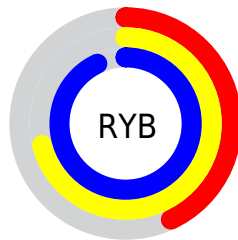
The Yxy color **69.0181, 0.2576, 0.3674** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **31.2279, 0.4330, 0.2967**, and the grayscale version is **55.3954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **35.8523, 0.2440, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **67.4236, 0.2517, 0.3759**, and if you desaturate by 10%, it is **71.0376, 0.2652, 0.3592**.

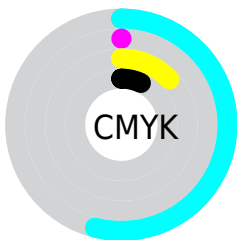
# Distribution



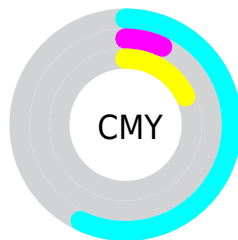
- Red (43%)
- Green (93%)
- Blue (82%)



- Red (43%)
- Yellow (71%)
- Blue (93%)



- Cyan (54%)
- Magenta (0%)
- Yellow (13%)
- Black (7%)




- Cyan (57%)
- Magenta (7%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0181, 0.2576, 0.3674 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 69.0181, 0.2576, 0.3674 by changing the saturation by 10% instead.




 69.0181, 0.2576,  
0.3674

 69.0181, 0.2576,  
0.3674


457.0948, 0.2834,  
0.3492


 50.7265, 0.2517,  
0.3717


 117.8074, 0.2666,  
0.3610

 35.9910, 0.2443,  
0.3770


 149.0739, 0.2701,  
0.3585

 24.4272, 0.2350,  
0.3838


 185.4341, 0.2731,  
0.3564

 15.6508, 0.2228,  
0.3928

227.2724, 0.2757,  
0.3546

 9.2774, 0.2061,  
0.4054

274.9732, 0.2779,  
0.3530

 4.9226, 0.1821,  
0.4239

328.9210, 0.2800,

 2.2019, 0.1439,

0.3516

389.5001, 0.2817,  
0.3503

0.4545

0.7210, 0.0000,  
0.5802

0.0000, 0.0000,  
0.0000

69.0181, 0.2576,  
0.3674

69.0181, 0.2576,  
0.3674

67.4236, 0.2517,  
0.3759

71.0376, 0.2652,  
0.3592

66.2122, 0.2478,  
0.3847


73.5040, 0.2744,  
0.3514

65.3476, 0.2458,  
0.3935


76.4471, 0.2848,  
0.3440

64.7822, 0.2458,  
0.4022


79.8921, 0.2961,  
0.3373

 64.5365, 0.2466,  
0.4076

 83.8621, 0.3081,  
0.3312

 88.3789, 0.3204,  
0.3256

 89.1292, 0.3184,  
0.3202

 89.4789, 0.3149,  
0.3149

 89.6304, 0.3135,  
0.3127

# Harmonies

## Analogous

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



69.0181, 0.3045, 0.4104



69.0181, 0.2576, 0.3674



69.0181, 0.2270, 0.3146

# Triad

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



69.0181, 0.2576, 0.3674



69.0181, 0.2649, 0.2471



69.0181, 0.4173, 0.3732

# Complementary

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



69.0181, 0.2576, 0.3674



31.2279, 0.4330, 0.2967

# 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.



69.0181, 0.4062, 0.3320



69.0181, 0.2576, 0.3674



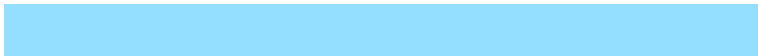
69.0181, 0.3141, 0.2629

# Square

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



69.0181, 0.2576, 0.3674



69.0181, 0.2311, 0.2495



69.0181, 0.3671, 0.2930



69.0181, 0.3978, 0.4080

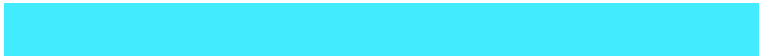


# Rectangle

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



69.0181, 0.2576, 0.3674



69.0181, 0.2184, 0.2844



69.0181, 0.3671, 0.2930



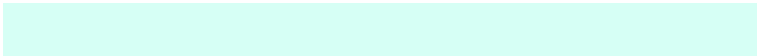
69.0181, 0.4171, 0.3597

# Sweetspot

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



69.0208, 0.2576, 0.3674



92.4655, 0.2935, 0.3388



68.0288, 0.3225, 0.4925



19.6088, 0.2911, 0.3402



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.



69.0208, 0.2576, 0.3674



78.6217, 0.2510, 0.3772



53.6354, 0.2356, 0.2876



17.8619, 0.3012, 0.3346



36.0251, 0.2462, 0.4062



3.0121, 0.2430, 0.3947



# Inverse Universe

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



31.2279, 0.4330, 0.2967



30.0077, 0.4758, 0.2930



38.6545, 0.4500, 0.3643



15.8196, 0.3256, 0.3235



10.3157, 0.5977, 0.3066

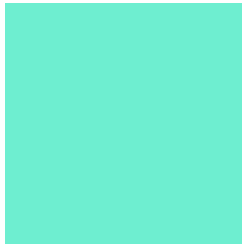


0.8731, 0.5612, 0.2865



# Previews

## White Background



This preview shows how the Yxy color 69.0181, 0.2576, 0.3674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

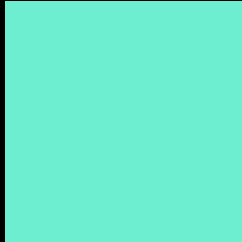
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.0181, 0.2576, 0.3674 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

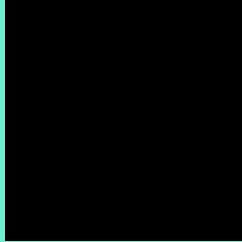
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.0181, 0.2576, 0.3674**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.0181, 0.2576, 0.3674.



This preview shows how white text looks on a background with the Yxy color 69.0181, 0.2576, 0.3674.

# 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

69.0181, 0.2576, 0.3674

### Protanopia

67.7212, 0.3327, 0.3502

### Deuteranopia

67.7997, 0.3297, 0.3226



## Tritanopia

68.9633, 0.2423, 0.3062

# Trichromacy



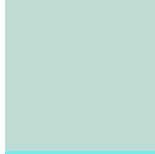
## Original Color

69.0181, 0.2576, 0.3674



## Protanomaly

66.8906, 0.2991, 0.3566



## Deuteranomaly

66.3637, 0.2970, 0.3372



## Tritanomaly

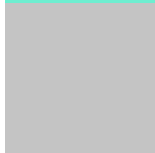
68.7657, 0.2478, 0.3276

# Monochromacy



## Original Color

69.0181, 0.2576, 0.3674



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

58.7580, 0.2873, 0.3428

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.0181, 0.2576, 0.3674 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(110, 238, 208)` looks like.

```
.text, #text, p{  
    color:rgb(110, 238, 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(110, 238, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 238, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 69.0181, 0.2576, 0.3674 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(110, 238, 208) }
```

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

```
.border{ border-color:rgb(110, 238, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 238, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 238, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 238, 208);  
box-shadow:4px 4px 4px 4px rgb(110, 238,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.0181, 0.2576, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 238, 208) }
```

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

```
.background{ background-color: rgb(110,  
238, 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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