

# Converting Colors

$Yxy(93.8233, 0.2730, 0.4395)$

Have a look what the booklet for  
Yxy(93.8233, 0.2730, 0.4395)  
contains.

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# Color

**Yxy(78.0684, 0.2692, 0.4166)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69FFBA
RGB	105, 255, 186
RGB Percent	41%, 100%, 73%
CMY	0.5884, 0.0000, 0.2705
CMYK	0.59, 0.00, 0.27, 0.00
HSL	152°, 100%, 71%
HSV	152°, 59%, 100%
XYZ	50.4465, 78.0684, 58.8792
YIQ	202.2840, -67.2510, -53.2590

# Conversions

## Conversions Part 2

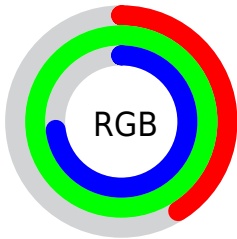
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">105, 202, 255</a>
Decimal	<a href="#">6946746</a>
CIELab	<a href="#">90.81, -55.57, 21.22</a>
CIELCh	<a href="#">91, 59.480, 159.103</a>
Yxy	<a href="#">78.0684, 0.2692, 0.4166</a>
Android (android.graphics.Color)	<a href="#">4285136826 (0xFF69FFBA)</a>
YUV	<a href="#">202.2840, -8.0280, -85.3181</a>
Hunter-Lab	<a href="#">88.3563, -52.7101, 22.3395</a>

# Details

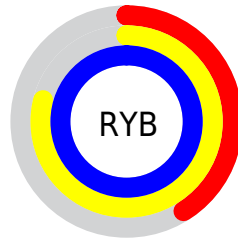
The Yxy color **78.0684, 0.2692, 0.4166** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.4067, 0.4081, 0.2604**, and the grayscale version is **59.3241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1463, 0.2699, 0.3433**, and **41.8201, 0.2577, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **76.2698, 0.2662, 0.4348**, and if you desaturate by 10%, it is **80.3675, 0.2740, 0.3990**.

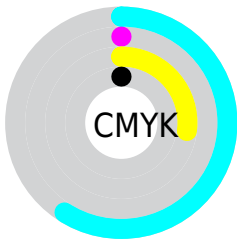
# Distribution



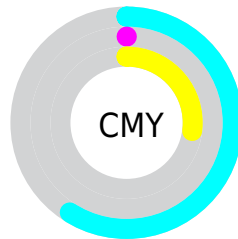
- Red (41%)
- Green (100%)
- Blue (73%)



- Red (41%)
- Yellow (79%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0684, 0.2692, 0.4166 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 78.0684, 0.2692, 0.4166 by changing the saturation by 10% instead.




 78.0684, 0.2692,  
0.4166


 78.0684, 0.2692,  
0.4166


488.3991, 0.2902,  
0.3741


 58.1302, 0.2642,  
0.4268


 130.6465, 0.2767,  
0.4015

 41.9133, 0.2579,  
0.4395

 164.0552, 0.2795,  
0.3957

 29.0334, 0.2498,  
0.4561

 202.7229, 0.2819,  
0.3908

 19.1061, 0.2390,  
0.4783

247.0339, 0.2840,  
0.3866

 11.7470, 0.2238,  
0.5095

297.3726, 0.2859,  
0.3829

 6.5716, 0.2011,  
0.5563


354.1234, 0.2875,


 3.1957, 0.1648,


0.3796


0.6321


417.6708, 0.2889,  
0.3767

 1.2347, 0.0000,  
1.0000


 0.0898, 0.0000,  
1.0000


 78.0684, 0.2692,  
0.4166


 78.0684, 0.2692,  
0.4166


 76.2698, 0.2662,  
0.4348


 80.3675, 0.2740,  
0.3990


 74.9325, 0.2651,  
0.4531


 83.2101, 0.2803,  
0.3822


 74.0033, 0.2662,  
0.4710

 86.6294, 0.2878,  
0.3666

 73.4073, 0.2691,  
0.4881

 90.6570, 0.2960,  
0.3523

 73.3488, 0.2695,  
0.4900

 95.3221, 0.3048,  
0.3393

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



78.0684, 0.3356, 0.4556



78.0684, 0.2692, 0.4166



78.0684, 0.2180, 0.3454

# Triad

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



78.0684, 0.2692, 0.4166



78.0684, 0.2240, 0.2218



78.0684, 0.4496, 0.3551

# Complementary

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



78.0684, 0.2692, 0.4166



34.4067, 0.4081, 0.2604

# 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.



78.0684, 0.4138, 0.3037



78.0684, 0.2692, 0.4166



78.0684, 0.2775, 0.2308

# Square

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



78.0684, 0.2692, 0.4166



78.0684, 0.1952, 0.2366



78.0684, 0.3477, 0.2599



78.0684, 0.4425, 0.4067



# Rectangle

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



78.0684, 0.2692, 0.4166



78.0684, 0.1981, 0.2985



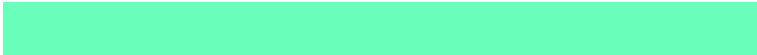
78.0684, 0.3477, 0.2599



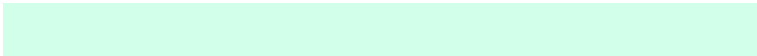
78.0684, 0.4423, 0.3376

# Sweetspot

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



78.0668, 0.2692, 0.4166



91.0248, 0.2967, 0.3511



81.6500, 0.3418, 0.4985



19.2151, 0.2942, 0.3551



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.



78.0668, 0.2692, 0.4166



75.9439, 0.2658, 0.4387



78.5907, 0.2386, 0.3229



20.3323, 0.3042, 0.3401



38.3568, 0.2687, 0.4873



3.7567, 0.2633, 0.4677



# Inverse Universe

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



34.4067, 0.4081, 0.2604



28.5911, 0.4396, 0.2525



33.4211, 0.4937, 0.3343



18.1260, 0.3222, 0.3181



11.8119, 0.5136, 0.2603

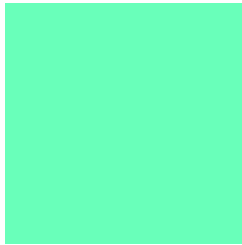


1.1718, 0.4860, 0.2451



# Previews

## White Background



This preview shows how the Yxy color 78.0684, 0.2692, 0.4166 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 78.0684, 0.2692, 0.4166 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

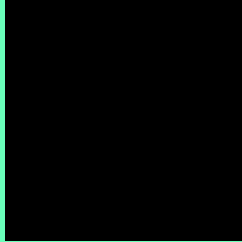
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.0684, 0.2692, 0.4166**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.0684, 0.2692, 0.4166.

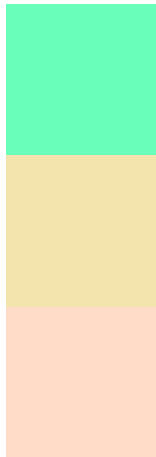


This preview shows how white text looks on a background with the Yxy color 78.0684, 0.2692, 0.4166.

# 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

78.0684, 0.2692, 0.4166

### Protanopia

77.0100, 0.3606, 0.3858

### Deuteranopia

76.6165, 0.3524, 0.3495



## Tritanopia

77.3267, 0.2596, 0.3121

# Trichromacy



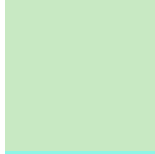
## Original Color

78.0684, 0.2692, 0.4166



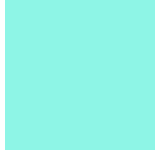
## Protanomaly

75.1202, 0.3193, 0.3977



## Deuteranomaly

74.4973, 0.3140, 0.3725



## Tritanomaly

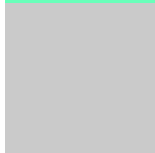
76.7688, 0.2623, 0.3466

# Monochromacy



## Original Color

78.0684, 0.2692, 0.4166



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

63.9139, 0.2916, 0.3601

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.0684, 0.2692, 0.4166 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(105, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 186)  
}
```

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(105, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 78.0684, 0.2692, 0.4166 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(105, 255, 186) }
```

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

```
.border{ border-color:rgb(105, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.0684, 0.2692, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 186) }
```

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

```
.background{ background-color: rgb(105,  
255, 186) }
```

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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