

# Converting Colors

$Yxy(84.9197, 0.2568, 0.4416)$

Have a look what the booklet for  
Yxy(84.9197, 0.2568, 0.4416)  
contains.

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# Color

**Yxy(75.0166, 0.2527, 0.4266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	11FFB6
RGB	17, 255, 182
RGB Percent	7%, 100%, 71%
CMY	0.9327, 0.0000, 0.2863
CMYK	0.93, 0.00, 0.29, 0.00
HSL	162°, 100%, 53%
HSV	162°, 93%, 100%
XYZ	44.4367, 75.0166, 56.3943
YIQ	175.5160, -118.4150, -73.1590

# Conversions

## Conversions Part 2

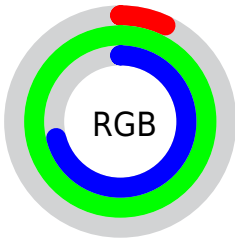
<b>Format</b>	<b>Color</b>
<b>RYB</b>	17, 158, 255
Decimal	1179574
CIELab	89.40, -66.25, 21.11
CIELCh	89, 69.531, 162.326
Yxy	75.0166, 0.2527, 0.4266
Android (android.graphics.Color)	4279369654 (0xFF11FFB6)
YUV	175.5160, 3.1966, -139.0185
Hunter-Lab	86.6121, -59.9911, 22.0240

# Details

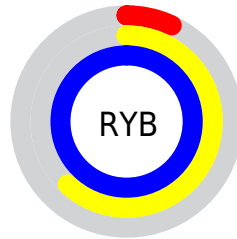
The Yxy color **75.0166, 0.2527, 0.4266** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **22.4071, 0.5590, 0.2893**, and the grayscale version is **43.2076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5446, 0.2510, 0.3489**, and **41.5175, 0.2574, 0.4466** is the 20% darker color. If you saturate the color by 10%, you get **74.6838, 0.2540, 0.4344**, and if you desaturate by 10%, it is **75.7367, 0.2521, 0.4148**.

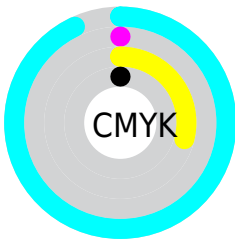
# Distribution



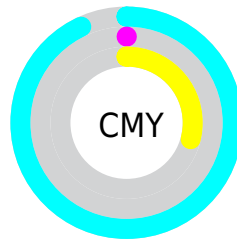
- Red (7%)
- Green (100%)
- Blue (71%)



- Red (7%)
- Yellow (62%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (93%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.0166, 0.2527, 0.4266 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 75.0166, 0.2527, 0.4266 by changing the saturation by 10% instead.





 75.0166, 0.2527,  
0.4266


 75.0166, 0.2527,  
0.4266


477.9746, 0.2816,  
0.3788

 55.6265, 0.2459,  
0.4382


 126.3359, 0.2629,  
0.4095


 39.9035, 0.2373,  
0.4528


 159.0338, 0.2668,  
0.4030


 27.4633, 0.2263,  
0.4718


 196.9365, 0.2702,  
0.3974

 17.9215, 0.2117,  
0.4975

 240.4283, 0.2731,  
0.3927

 10.8937, 0.1914,  
0.5338

 289.8936, 0.2756,  
0.3885

 5.9954, 0.1619,  
0.5885


345.7168, 0.2778,

 2.8423, 0.1027,


0.3849


0.6883


408.2824, 0.2798,  
0.3817

 1.0499, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 75.0166, 0.2527,  
0.4266

 75.0166, 0.2527,  
0.4266

 74.6838, 0.2540,  
0.4344

 75.7367, 0.2521,  
0.4148


 76.8164, 0.2534,  
0.4030

 78.3133, 0.2568,  
0.3912


 80.2736, 0.2622,  
0.3796

 82.7373, 0.2693,  
0.3686

 85.7398, 0.2778,  
0.3581

 89.3133, 0.2875,  
0.3484

 93.4876, 0.2980,  
0.3395

 98.2901, 0.3090,  
0.3315

# Harmonies

## Analogous

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



75.0166, 0.3286, 0.4791



75.0166, 0.2527, 0.4266



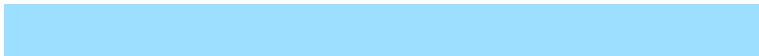
75.0166, 0.1974, 0.3375

# Triad

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



75.0166, 0.2527, 0.4266



75.0166, 0.2149, 0.2053



75.0166, 0.4756, 0.3628

# Complementary

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



75.0166, 0.2527, 0.4266



22.4071, 0.5590, 0.2893

# 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.



75.0166, 0.4392, 0.3042



75.0166, 0.2527, 0.4266



75.0166, 0.2789, 0.2186

# Square

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



75.0166, 0.2527, 0.4266



75.0166, 0.1795, 0.2178



75.0166, 0.3625, 0.2536



75.0166, 0.4599, 0.4222



# Rectangle

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



75.0166, 0.2527, 0.4266



75.0166, 0.1777, 0.2832



75.0166, 0.3625, 0.2536



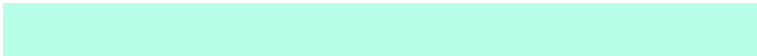
75.0166, 0.4693, 0.3428

# Sweetspot

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



75.0183, 0.2527, 0.4266



87.5491, 0.2828, 0.3529



73.8612, 0.3179, 0.5823



18.4193, 0.2787, 0.3572



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.



75.0183, 0.2527, 0.4266



74.6838, 0.2540, 0.4344



54.1269, 0.2098, 0.2725



20.3809, 0.3021, 0.3364



39.0518, 0.2535, 0.4325



3.8219, 0.2498, 0.4192



# Inverse Universe

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



22.4071, 0.5590, 0.2893



21.8139, 0.5787, 0.2961



24.6140, 0.6088, 0.3485



18.0789, 0.3246, 0.3217



11.4215, 0.5744, 0.2938

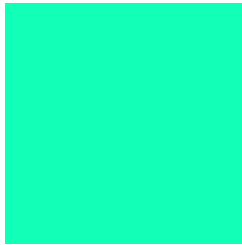


1.1306, 0.5424, 0.2762



# Previews

## White Background



This preview shows how the Yxy color 75.0166, 0.2527, 0.4266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

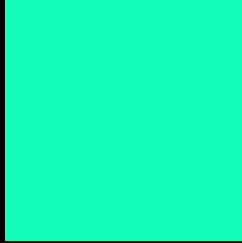
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.0166, 0.2527, 0.4266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

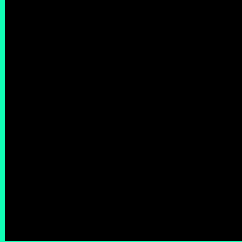
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.0166, 0.2527, 0.4266**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.0166, 0.2527, 0.4266.

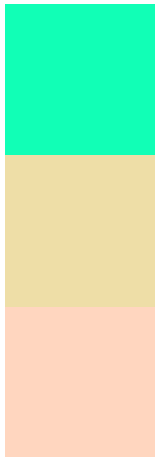


This preview shows how white text looks on a background with the Yxy color 75.0166, 0.2527, 0.4266.

# 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

75.0166, 0.2527, 0.4266

### Protanopia

73.2097, 0.3623, 0.3881

### Deuteranopia

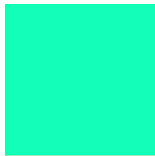
73.1147, 0.3604, 0.3527



## Tritanopia

74.1039, 0.2467, 0.3103

# Trichromacy



## Original Color

75.0166, 0.2527, 0.4266



## Protanomaly

69.0933, 0.3003, 0.4070



## Deuteranomaly

68.1045, 0.2979, 0.3795



## Tritanomaly

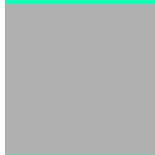
73.1816, 0.2443, 0.3500

# Monochromacy



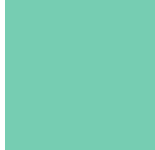
## Original Color

75.0166, 0.2527, 0.4266



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

50.7285, 0.2705, 0.3676

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.0166, 0.2527, 0.4266 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(17, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(17, 255, 182)  
}
```

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(17, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 255, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 75.0166, 0.2527, 0.4266 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(17, 255, 182) }
```

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

```
.border{ border-color:rgb(17, 255, 182) }
```

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

Here you see how a box with a 4 pixel rgb(17, 255, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(17, 255,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.0166, 0.2527, 0.4266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 255, 182) }
```

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

```
.background{ background-color: rgb(17, 255,  
182) }
```

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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