

# Converting Colors

$Yxy(76.6157, 0.2613, 0.3947)$

Have a look what the booklet for  
Yxy(76.6157, 0.2613, 0.3947)  
contains.

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# Color

**Yxy(76.6157, 0.2613, 0.3947)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FCC8
RGB	102, 252, 200
RGB Percent	40%, 99%, 78%
CMY	0.5998, 0.0118, 0.2156
CMYK	0.60, 0.00, 0.21, 0.01
HSL	159°, 96%, 69%
HSV	159°, 60%, 99%
XYZ	50.7213, 76.6157, 66.7743
YIQ	201.2220, -72.7080, -47.9720

# Conversions

## Conversions Part 2

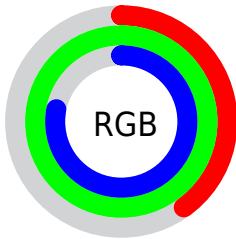
Format	Color
<a href="#">RYB</a>	<a href="#">102, 193, 252</a>
Decimal	<a href="#">6749384</a>
CIELab	<a href="#">90.14, -51.96, 13.09</a>
CIELCh	<a href="#">90, 53.583, 165.863</a>
Yxy	<a href="#">76.6157, 0.2613, 0.3947</a>
Android (android.graphics.Color)	<a href="#">4284939464 (0xFF66FCC8)</a>
YUV	<a href="#">201.2220, -0.6024, -87.0177</a>
Hunter-Lab	<a href="#">87.5304, -49.7427, 16.0407</a>

# Details

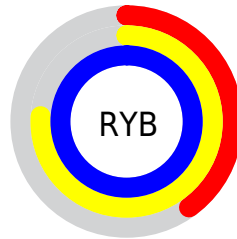
The Yxy color **76.6157, 0.2613, 0.3947** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.5410, 0.4319, 0.2770**, and the grayscale version is **58.6013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **40.7523, 0.2487, 0.4109** is the 20% darker color. If you saturate the color by 10%, you get **74.9657, 0.2575, 0.4081**, and if you desaturate by 10%, it is **78.7425, 0.2670, 0.3817**.

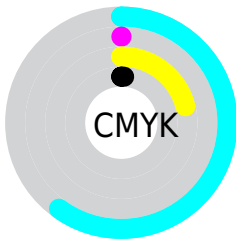
# Distribution



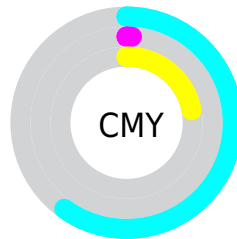
- Red (40%)
- Green (99%)
- Blue (78%)



- Red (40%)
- Yellow (76%)
- Blue (99%)



- Cyan (60%)
- Magenta (0%)
- Yellow (21%)
- Black (1%)




- Cyan (60%)
- Magenta (1%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6157, 0.2613, 0.3947 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 76.6157, 0.2613, 0.3947 by changing the saturation by 10% instead.





 76.6157, 0.2613,  
0.3947

 76.6157, 0.2613,  
0.3947


483.4527, 0.2854,  
0.3632

 56.9375, 0.2557,  
0.4021


 128.5969, 0.2697,  
0.3836

 40.9551, 0.2488,  
0.4115


 161.6686, 0.2730,  
0.3793

 28.2840, 0.2400,  
0.4235


 199.9737, 0.2758,  
0.3757

 18.5398, 0.2285,  
0.4395

243.8965, 0.2782,  
0.3725

 11.3383, 0.2127,  
0.4620

293.8214, 0.2804,  
0.3697

 6.2948, 0.1899,  
0.4955


350.1328, 0.2822,


 3.0252, 0.1548,


0.3673


0.5500


413.2151, 0.2839,  
0.3652

 1.1449, 0.0000,  
0.7881


 0.0160, 0.0000,  
1.0000


 76.6157, 0.2613,  
0.3947

 76.6157, 0.2613,  
0.3947

 74.9657, 0.2575,  
0.4081


 78.7425, 0.2670,  
0.3817


 73.7411, 0.2556,  
0.4216


 81.3740, 0.2743,  
0.3694

 72.8945, 0.2559,  
0.4351

 84.5467, 0.2829,  
0.3578

 72.3478, 0.2579,  
0.4483

 88.2909, 0.2924,  
0.3471

 72.3240, 0.2580,  
0.4489

 92.6347, 0.3026,  
0.3374

 97.6044, 0.3132,  
0.3286

 98.0997, 0.3128,  
0.3261

# Harmonies

## Analogous

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



76.6157, 0.3204, 0.4386



76.6157, 0.2613, 0.3947



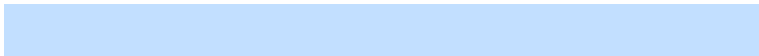
76.6157, 0.2187, 0.3294

# Triad

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



76.6157, 0.2613, 0.3947



76.6157, 0.2409, 0.2306



76.6157, 0.4390, 0.3651

# Complementary

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



76.6157, 0.2613, 0.3947



32.5410, 0.4319, 0.2770

# 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.



76.6157, 0.4147, 0.3168



76.6157, 0.2613, 0.3947



76.6157, 0.2946, 0.2433

# Square

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



76.6157, 0.2613, 0.3947



76.6157, 0.2086, 0.2395



76.6157, 0.3594, 0.2738



76.6157, 0.4249, 0.4108



# Rectangle

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



76.6157, 0.2613, 0.3947



76.6157, 0.2039, 0.2894



76.6157, 0.3594, 0.2738



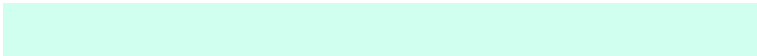
76.6157, 0.4352, 0.3488

# Sweetspot

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



76.6187, 0.2613, 0.3947



91.3273, 0.2939, 0.3456



77.5022, 0.3309, 0.5065



19.2890, 0.2910, 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.



76.6187, 0.2613, 0.3947



76.7908, 0.2570, 0.4102



66.1747, 0.2333, 0.3014



19.5004, 0.3027, 0.3374



37.7038, 0.2574, 0.4467



3.5120, 0.2530, 0.4309



# Inverse Universe

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



32.5410, 0.4319, 0.2770



27.9484, 0.4699, 0.2726



36.2066, 0.4838, 0.3516



17.3245, 0.3239, 0.3208



11.1668, 0.5594, 0.2855

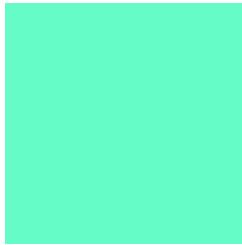


1.0534, 0.5263, 0.2673



# Previews

## White Background



This preview shows how the Yxy color 76.6157, 0.2613, 0.3947 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

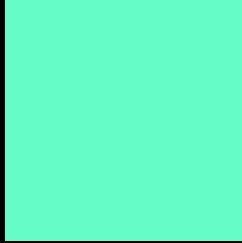
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.6157, 0.2613, 0.3947 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

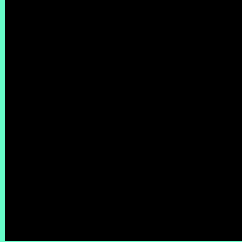
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.6157, 0.2613, 0.3947**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.6157, 0.2613, 0.3947.



This preview shows how white text looks on a background with the Yxy color 76.6157, 0.2613, 0.3947.

# 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

76.6157, 0.2613, 0.3947

### Protanopia

75.0336, 0.3486, 0.3696

### Deuteranopia

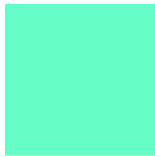
75.0624, 0.3457, 0.3383



## Tritanopia

75.8230, 0.2551, 0.3107

# Trichromacy



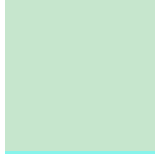
## Original Color

76.6157, 0.2613, 0.3947



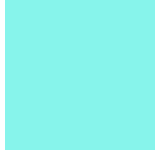
## Protanomaly

73.4260, 0.3090, 0.3794



## Deuteranomaly

73.0072, 0.3066, 0.3576



## Tritanomaly

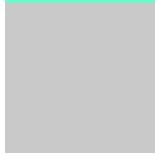
75.8504, 0.2567, 0.3395

# Monochromacy



## Original Color

76.6157, 0.2613, 0.3947



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

63.4028, 0.2872, 0.3526

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.6157, 0.2613, 0.3947 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(102, 252, 200)` looks like.

```
.text, #text, p{  
    color:rgb(102, 252, 200)  
}
```

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(102, 252, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 252, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 76.6157, 0.2613, 0.3947 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(102, 252, 200) }
```

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

```
.border{ border-color:rgb(102, 252, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 252, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 252, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 252, 200);  
box-shadow:4px 4px 4px 4px rgb(102, 252,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.6157, 0.2613, 0.3947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 252, 200) }
```

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

```
.background{ background-color: rgb(102,  
252, 200) }
```

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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