

# Converting Colors

$Yxy(75.6143, 0.2488, 0.4100)$

Have a look what the booklet for  
Yxy(75.6143, 0.2488, 0.4100)  
contains.

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# Color

**Yxy(75.6481, 0.2486, 0.4093)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1BFFC2
RGB	27, 255, 194
RGB Percent	11%, 100%, 76%
CMY	0.8948, 0.0000, 0.2391
CMYK	0.89, 0.00, 0.24, 0.00
HSL	164°, 100%, 55%
HSV	164°, 89%, 100%
XYZ	45.9470, 75.6481, 63.2280
YIQ	179.8740, -116.3070, -67.3070

# Conversions

## Conversions Part 2

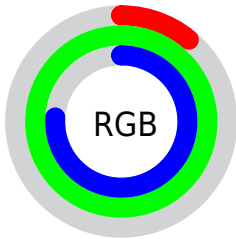
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 159, 255
Decimal	1834946
CIE <sub>Lab</sub>	89.70, -63.17, 15.38
CIE <sub>LCh</sub>	90, 65.017, 166.320
Yxy	75.6481, 0.2486, 0.4093
Android (android.graphics.Color)	4280025026 (0xFF1BFFC2)
YUV	179.8740, 6.9641, -134.0705
Hunter-Lab	86.9759, -57.9111, 17.7817

# Details

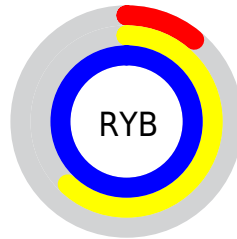
The Yxy color **75.6481, 0.2486, 0.4093** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.7366, 0.5604, 0.2937**, and the grayscale version is **45.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5500, 0.2466, 0.3334**, and **41.8260, 0.2518, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **75.1250, 0.2499, 0.4193**, and if you desaturate by 10%, it is **76.4676, 0.2491, 0.3991**.

# Distribution



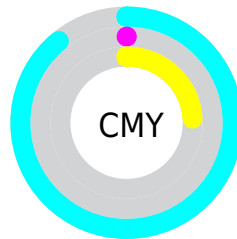
- Red (11%)
- Green (100%)
- Blue (76%)



- Red (11%)
- Yellow (62%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (89%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6481, 0.2486, 0.4093 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 75.6481, 0.2486, 0.4093 by changing the saturation by 10% instead.




 75.6481, 0.2486,  
0.4093

 75.6481, 0.2486,  
0.4093


480.1422, 0.2788,  
0.3705


 56.1440, 0.2416,  
0.4186


 127.2294, 0.2592,  
0.3955


 40.3184, 0.2329,  
0.4302


 160.0753, 0.2632,  
0.3902

 27.7869, 0.2219,  
0.4453


 198.1373, 0.2668,  
0.3857

 18.1651, 0.2074,  
0.4654

 241.7998, 0.2698,  
0.3819

 11.0686, 0.1878,  
0.4937

291.4471, 0.2725,  
0.3785

 6.1130, 0.1597,  
0.5360


347.4637, 0.2748,


 2.9139, 0.1109,


0.3755

0.6091


410.2339, 0.2769,  
0.3728


 1.0869, 0.0000,  
0.9206


 0.0000, 0.0000,  
0.0000


 75.6481, 0.2486,  
0.4093

 75.6481, 0.2486,  
0.4093


 75.1250, 0.2499,  
0.4193

 76.4676, 0.2491,  
0.3991

 75.1015, 0.2500,  
0.4198


 77.6686, 0.2515,  
0.3889


 79.3009, 0.2560,  
0.3789

 81.4079, 0.2624,  
0.3691

 84.0275, 0.2705,  
0.3598

 87.1939, 0.2799,  
0.3510

 90.9381, 0.2904,  
0.3429

 95.2889, 0.3016,  
0.3354

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.



75.6481, 0.3186, 0.4648



75.6481, 0.2486, 0.4093



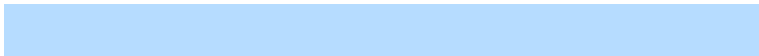
75.6481, 0.1996, 0.3267

# Triad

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



75.6481, 0.2486, 0.4093



75.6481, 0.2274, 0.2126



75.6481, 0.4659, 0.3697

# Complementary

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



75.6481, 0.2486, 0.4093



22.7366, 0.5604, 0.2937

# 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.



75.6481, 0.4379, 0.3135



75.6481, 0.2486, 0.4093



75.6481, 0.2911, 0.2281

# Square

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



75.6481, 0.2486, 0.4093



75.6481, 0.1898, 0.2214



75.6481, 0.3701, 0.2637



75.6481, 0.4461, 0.4249



# Rectangle

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



75.6481, 0.2486, 0.4093



75.6481, 0.1833, 0.2782



75.6481, 0.3701, 0.2637



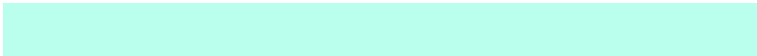
75.6481, 0.4620, 0.3507

# Sweetspot

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



75.6463, 0.2486, 0.4093



88.0690, 0.2824, 0.3489



73.8463, 0.3167, 0.5800



18.5949, 0.2789, 0.3518



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.



75.6463, 0.2486, 0.4093



75.1015, 0.2500, 0.4198



51.3815, 0.2083, 0.2645



20.3937, 0.3016, 0.3354



39.2683, 0.2495, 0.4182



3.8416, 0.2463, 0.4067



# Inverse Universe

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



22.7366, 0.5604, 0.2937



21.6792, 0.5921, 0.3036



26.5424, 0.5918, 0.3567



18.0668, 0.3252, 0.3227



11.3488, 0.5880, 0.3013

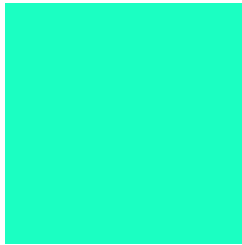


1.1222, 0.5563, 0.2838



# Previews

## White Background



This preview shows how the Yxy color 75.6481, 0.2486, 0.4093 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

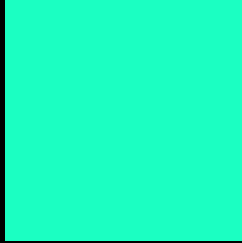
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6481, 0.2486, 0.4093 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 75.6481, 0.2486, 0.4093**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6481, 0.2486, 0.4093.

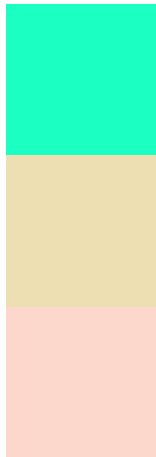


This preview shows how white text looks on a background with the Yxy color 75.6481, 0.2486, 0.4093.

# 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

75.6481, 0.2486, 0.4093

### Protanopia

73.9942, 0.3537, 0.3773

### Deuteranopia

73.6081, 0.3489, 0.3414



## Tritanopia

75.0291, 0.2486, 0.3116

# Trichromacy



## Original Color

75.6481, 0.2486, 0.4093



## Protanomaly

70.4544, 0.2953, 0.3921



## Deuteranomaly

69.3098, 0.2915, 0.3653



## Tritanomaly

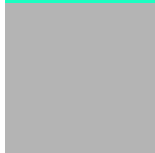
73.7847, 0.2440, 0.3436

# Monochromacy



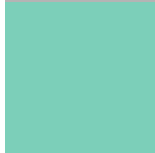
## Original Color

75.6481, 0.2486, 0.4093



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

52.4135, 0.2702, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6481, 0.2486, 0.4093 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(27, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(27, 255, 194)  
}
```

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(27, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 255, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6481, 0.2486, 0.4093 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(27, 255, 194) }
```

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

```
.border{ border-color:rgb(27, 255, 194) }
```

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

Here you see how a box with a 4 pixel rgb(27, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(27, 255,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6481, 0.2486, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 255, 194) }
```

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

```
.background{ background-color: rgb(27, 255,  
194) }
```

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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