

# Converting Colors

$Y_{xy}(75.5268, 0.2599, 0.3817)$

Have a look what the booklet for  
Yxy(75.5268, 0.2599, 0.3817)  
contains.

|  |    |
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# Color

**Yxy(75.5076, 0.2600, 0.3816)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 6DF9CF                       |
| RGB         | 109, 249, 207                |
| RGB Percent | 43%, 98%, 81%                |
| CMY         | 0.5726, 0.0235, 0.1881       |
| CMYK        | 0.56, 0.00, 0.17, 0.02       |
| HSL         | 162°, 92%, 70%               |
| HSV         | 162°, 56%, 98%               |
| XYZ         | 51.4465, 75.5076, 70.9170    |
| YIQ         | 202.3520, -69.9580, -42.7420 |

# Conversions

## Conversions Part 2

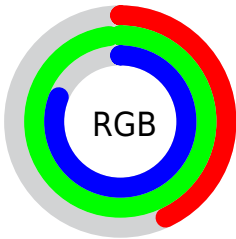
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>YB</sub>                     | 109, 191, 249                 |
| Decimal                             | 7207375                       |
| CIE Lab                             | 89.63, -47.82, 8.76           |
| CIE LCh                             | 90, 48.615, 169.623           |
| Yxy                                 | 75.5076, 0.2600,<br>0.3816    |
| Android<br>(android.graphics.Color) | 4285397455<br>(0xFF6DF9CF)    |
| YUV                                 | 202.3520, 2.2915,<br>-81.8697 |
| Hunter-Lab                          | 86.8951, -46.3850,<br>12.4387 |

# Details

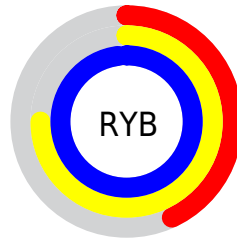
The Yxy color **75.5076, 0.2600, 0.3816** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.3071, 0.4303, 0.2860**, and the grayscale version is **59.3125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **40.3565, 0.2474, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **73.7925, 0.2551, 0.3929**, and if you desaturate by 10%, it is **77.6931, 0.2667, 0.3707**.

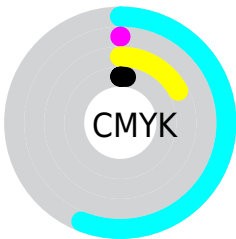
# Distribution



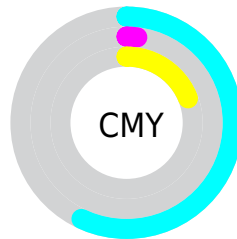
- Red (43%)
- Green (98%)
- Blue (81%)



- Red (43%)
- Yellow (75%)
- Blue (98%)



- Cyan (56%)
- Magenta (0%)
- Yellow (17%)
- Black (2%)




- Cyan (57%)
- Magenta (2%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5076, 0.2600, 0.3816 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 75.5076, 0.2600, 0.3816 by changing the saturation by 10% instead.





 75.5076, 0.2600,  
0.3816

 75.5076, 0.2600,  
0.3816


479.6604, 0.2845,  
0.3566

 56.0288, 0.2544,  
0.3875


 127.0306, 0.2685,  
0.3728

 40.2260, 0.2474,  
0.3948


 159.8437, 0.2718,  
0.3694

 27.7148, 0.2387,  
0.4041


 197.8703, 0.2747,  
0.3665

 18.1108, 0.2272,  
0.4166

241.4949, 0.2772,  
0.3640

 11.0296, 0.2116,  
0.4339

291.1018, 0.2793,  
0.3618

 6.0867, 0.1894,  
0.4595

347.0754, 0.2813,

 2.8979, 0.1554,

0.3599

0.5008

409.8002, 0.2830,  
0.3582

1.0787, 0.0000,  
0.6629

0.0000, 0.0000,  
0.0000

75.5076, 0.2600,  
0.3816

75.5076, 0.2600,  
0.3816

73.7925, 0.2551,  
0.3929

77.6931, 0.2667,  
0.3707

72.4997, 0.2522,  
0.4044


80.3745, 0.2749,  
0.3603

71.5864, 0.2514,  
0.4160

83.5861, 0.2843,  
0.3507


70.9958, 0.2525,  
0.4274

87.3565, 0.2947,  
0.3418

 70.8241, 0.2532,  
0.4316

 91.7122, 0.3057,  
0.3336

 96.0302, 0.3149,  
0.3263

 96.2336, 0.3130,  
0.3233

# Harmonies

## Analogous

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



75.5076, 0.3132, 0.4250



75.5076, 0.2600, 0.3816



75.5076, 0.2231, 0.3226

# Triad

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



75.5076, 0.2600, 0.3816



75.5076, 0.2521, 0.2386



75.5076, 0.4283, 0.3687

# Complementary

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



75.5076, 0.2600, 0.3816



33.3071, 0.4303, 0.2860

# 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.



75.5076, 0.4102, 0.3238



75.5076, 0.2600, 0.3816



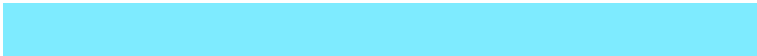
75.5076, 0.3036, 0.2526

# Square

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



75.5076, 0.2600, 0.3816



75.5076, 0.2193, 0.2446



75.5076, 0.3627, 0.2828



75.5076, 0.4119, 0.4093



# Rectangle

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



75.5076, 0.2600, 0.3816



75.5076, 0.2111, 0.2874



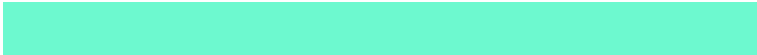
75.5076, 0.3627, 0.2828



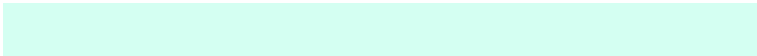
75.5076, 0.4262, 0.3538

# Sweetspot

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



75.5106, 0.2600, 0.3816



91.8763, 0.2938, 0.3424



75.4357, 0.3266, 0.4987



19.4856, 0.2917, 0.3442



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.



75.5106, 0.2600, 0.3816



77.7615, 0.2548, 0.3939



61.8027, 0.2346, 0.2943



19.5148, 0.3020, 0.3362



37.9361, 0.2527, 0.4298



3.5323, 0.2489, 0.4162



# Inverse Universe

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



33.3071, 0.4303, 0.2860



29.3833, 0.4678, 0.2816



39.1322, 0.4648, 0.3582



17.3108, 0.3247, 0.3219



11.0715, 0.5767, 0.2951

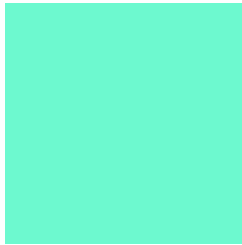


1.0433, 0.5431, 0.2765



# Previews

## White Background



This preview shows how the Yxy color 75.5076, 0.2600, 0.3816 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

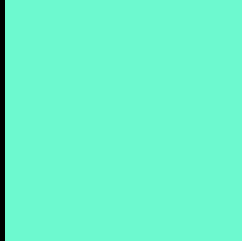
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.5076, 0.2600, 0.3816 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 75.5076, 0.2600, 0.3816**

## Background



This preview shows how black text looks on a background with the Yxy color 75.5076, 0.2600, 0.3816.

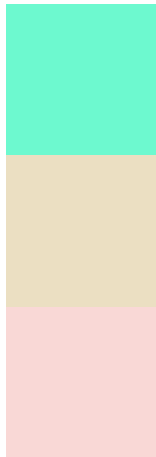


This preview shows how white text looks on a background with the Yxy color 75.5076, 0.2600, 0.3816.

# 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

75.5076, 0.2600, 0.3816

### Protanopia

74.3326, 0.3410, 0.3601

### Deuteranopia

74.1065, 0.3385, 0.3311



## Tritanopia

75.3426, 0.2528, 0.3106

# Trichromacy



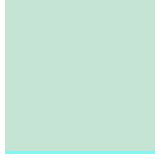
## Original Color

75.5076, 0.2600, 0.3816



## Protanomaly

72.6556, 0.3043, 0.3675



## Deuteranomaly

72.1957, 0.3030, 0.3484



## Tritanomaly

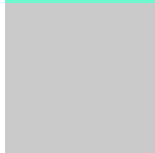
75.3426, 0.2547, 0.3348

# Monochromacy



## Original Color

75.5076, 0.2600, 0.3816



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

63.3475, 0.2873, 0.3475

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5076, 0.2600, 0.3816 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(109, 249, 207)` looks like.

```
.text, #text, p{  
    color:rgb(109, 249, 207)  
}
```

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(109, 249, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 249, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5076, 0.2600, 0.3816 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(109, 249, 207) }
```

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

```
.border{ border-color:rgb(109, 249, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 249, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 249, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 249, 207);  
box-shadow:4px 4px 4px 4px rgb(109, 249,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5076, 0.2600, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 249, 207) }
```

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

```
.background{ background-color: rgb(109,  
249, 207) }
```

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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