

# Converting Colors

$Y_{xy}(75.4723, 0.2641, 0.3630)$

Have a look what the booklet for  
Yxy(75.4723, 0.2641, 0.3630)  
contains.

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# Color

**Yxy(75.3011, 0.2644, 0.3630)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85F5D9
RGB	133, 245, 217
RGB Percent	52%, 96%, 85%
CMY	0.4785, 0.0392, 0.1490
CMYK	0.46, 0.00, 0.11, 0.04
HSL	165°, 85%, 74%
HSV	165°, 46%, 96%
XYZ	54.8474, 75.3011, 77.2925
YIQ	208.3200, -57.7640, -32.4520

# Conversions

## Conversions Part 2

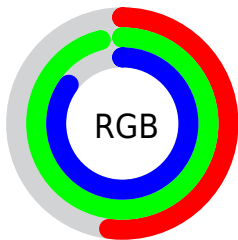
Format	Color
R <sub>Y</sub> B	133, 197, 245
Decimal	8779225
CIE Lab	89.53, -38.62, 3.54
CIE LCh	90, 38.779, 174.757
Yxy	75.3011, 0.2644, 0.3630
Android (android.graphics.Color)	4286969305 (0xFF85F5D9)
YUV	208.3200, 4.2792, -66.0556
Hunter-Lab	86.7762, -39.0364, 7.9331

# Details

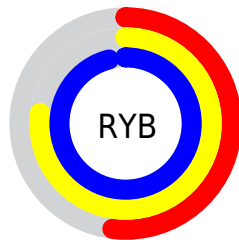
The Yxy color **75.3011, 0.2644, 0.3630** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.7560, 0.4047, 0.2989**, and the grayscale version is **63.2934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **39.9915, 0.2530, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **73.2246, 0.2572, 0.3719**, and if you desaturate by 10%, it is **77.8604, 0.2732, 0.3545**.

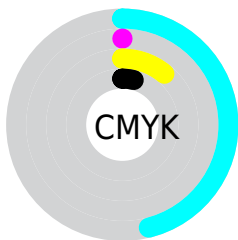
# Distribution



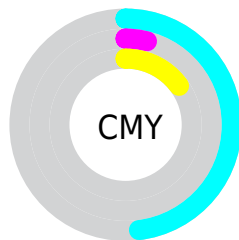
- Red (52%)
- Green (96%)
- Blue (85%)



- Red (52%)
- Yellow (77%)
- Blue (96%)



- Cyan (46%)
- Magenta (0%)
- Yellow (11%)
- Black (4%)




- Cyan (48%)
- Magenta (4%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.3011, 0.2644, 0.3630 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 75.3011, 0.2644, 0.3630 by changing the saturation by 10% instead.



 75.3011, 0.2644,  
0.3630

 75.3011, 0.2644,  
0.3630


478.9519, 0.2867,  
0.3472

 55.8596, 0.2594,  
0.3666


 126.7385, 0.2721,  
0.3575

 40.0904, 0.2531,  
0.3712

 159.5032, 0.2751,  
0.3553

 27.6090, 0.2453,  
0.3769


 197.4777, 0.2777,  
0.3535

 18.0311, 0.2351,  
0.3845

241.0465, 0.2799,  
0.3519

 10.9723, 0.2213,  
0.3948

290.5939, 0.2819,  
0.3505

 6.0482, 0.2018,  
0.4097

346.5043, 0.2837,

 2.8744, 0.1722,

0.3493

409.1622, 0.2852,  
0.3481

0.4332

1.0665, 0.0298,  
0.5258

0.0000, 0.0000,  
0.0000

75.3011, 0.2644,  
0.3630

75.3011, 0.2644,  
0.3630

73.2246, 0.2572,  
0.3719

77.8604, 0.2732,  
0.3545

71.5890, 0.2518,  
0.3812


80.9233, 0.2832,  
0.3466


70.3601, 0.2484,  
0.3906


84.5201, 0.2942,  
0.3392


69.4944, 0.2470,  
0.4000


88.6761, 0.3058,  
0.3325

 68.9383, 0.2476,  
0.4094

 93.3231, 0.3176,  
0.3265

 68.7600, 0.2482,  
0.4133

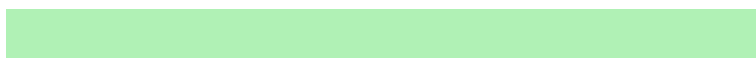
 93.7088, 0.3139,  
0.3206

 93.7890, 0.3132,  
0.3194

# Harmonies

## Analogous

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



75.3011, 0.3062, 0.4000



75.3011, 0.2644, 0.3630



75.3011, 0.2367, 0.3171

# Triad

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



75.3011, 0.2644, 0.3630



75.3011, 0.2703, 0.2559



75.3011, 0.4049, 0.3688

# Complementary

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



75.3011, 0.2644, 0.3630



38.7560, 0.4047, 0.2989

# 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.



75.3011, 0.3948, 0.3321



75.3011, 0.2644, 0.3630



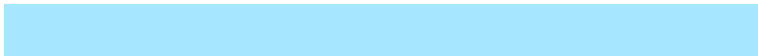
75.3011, 0.3139, 0.2699

# Square

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



75.3011, 0.2644, 0.3630



75.3011, 0.2400, 0.2585



75.3011, 0.3604, 0.2970



75.3011, 0.3883, 0.3992



# Rectangle

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



75.3011, 0.2644, 0.3630



75.3011, 0.2288, 0.2903



75.3011, 0.3604, 0.2970



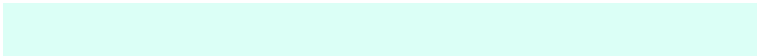
75.3011, 0.4046, 0.3569

# Sweetspot

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



75.3041, 0.2644, 0.3630



93.2852, 0.2961, 0.3381



74.5777, 0.3223, 0.4661



19.7689, 0.2936, 0.3396



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.



75.3041, 0.2644, 0.3630



80.3123, 0.2576, 0.3714



61.2039, 0.2454, 0.2947



18.6829, 0.3014, 0.3350



37.0634, 0.2477, 0.4118



3.2738, 0.2445, 0.4001



# Inverse Universe

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



38.7560, 0.4047, 0.2989



35.6603, 0.4353, 0.2938



46.5919, 0.4218, 0.3597



16.5505, 0.3254, 0.3231



10.6593, 0.5931, 0.3041

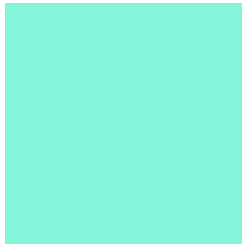


0.9527, 0.5582, 0.2849



# Previews

## White Background



This preview shows how the Yxy color 75.3011, 0.2644, 0.3630 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

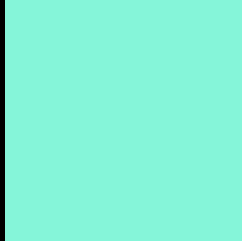
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.3011, 0.2644, 0.3630 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 75.3011, 0.2644, 0.3630**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.3011, 0.2644, 0.3630.

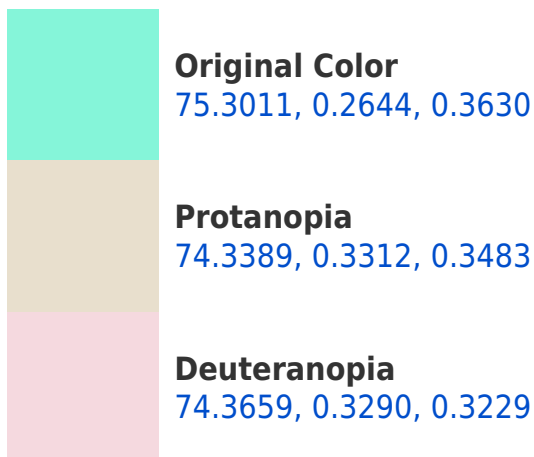


This preview shows how white text looks on a background with the Yxy color 75.3011, 0.2644, 0.3630.

# 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





## Tritanopia

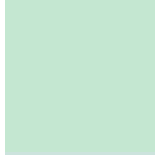
75.3376, 0.2554, 0.3096

# Trichromacy



## Original Color

75.3011, 0.2644, 0.3630



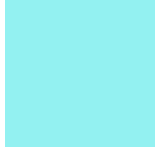
## Protanomaly

73.4910, 0.3028, 0.3541



## Deuteranomaly

72.9960, 0.3008, 0.3357



## Tritanomaly

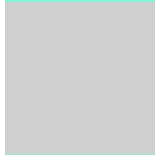
75.4645, 0.2587, 0.3288

# Monochromacy



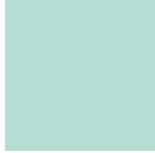
## Original Color

75.3011, 0.2644, 0.3630



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

66.2398, 0.2916, 0.3409

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.3011, 0.2644, 0.3630 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(133, 245, 217)` looks like.

```
.text, #text, p{  
    color:rgb(133, 245, 217)  
}
```

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(133, 245, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 245, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 75.3011, 0.2644, 0.3630 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(133, 245, 217) }
```

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

```
.border{ border-color:rgb(133, 245, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 245, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 245, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 245, 217);  
box-shadow:4px 4px 4px 4px rgb(133, 245,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.3011, 0.2644, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 245, 217) }
```

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

```
.background{ background-color: rgb(133,  
245, 217) }
```

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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