

# Converting Colors

$Y_{xy}(75.7803, 0.2816, 0.3724)$

Have a look what the booklet for  
Yxy(75.7803, 0.2816, 0.3724)  
contains.

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# Color

**Yxy(75.8753, 0.2815, 0.3720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EF3CF
RGB	158, 243, 207
RGB Percent	62%, 95%, 81%
CMY	0.3804, 0.0470, 0.1881
CMYK	0.35, 0.00, 0.15, 0.05
HSL	155°, 78%, 79%
HSV	155°, 35%, 95%
XYZ	57.4164, 75.8753, 70.6742
YIQ	213.4810, -39.1040, -29.2160

# Conversions

## Conversions Part 2

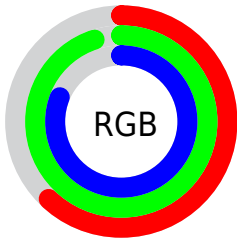
Format	Color
R <sub>Y</sub> B	158, 212, 243
Decimal	10417103
CIE Lab	89.80, -33.37, 9.25
CIE LCh	90, 34.628, 164.507
Yxy	75.8753, 0.2815, 0.3720
Android (android.graphics.Color)	4288607183 (0xFF9EF3CF)
YUV	213.4810, -3.1951, -48.6568
Hunter-Lab	87.1064, -34.7776, 12.8693

# Details

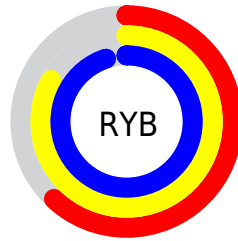
The Yxy color **75.8753, 0.2815, 0.3720** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.4011, 0.3606, 0.2901**, and the grayscale version is **66.9226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **40.3013, 0.2737, 0.3817** is the 20% darker color. If you saturate the color by 10%, you get **73.1663, 0.2744, 0.3869**, and if you desaturate by 10%, it is **79.1104, 0.2897, 0.3582**.

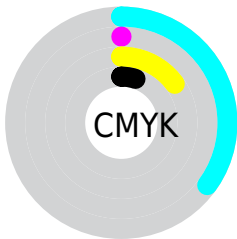
# Distribution



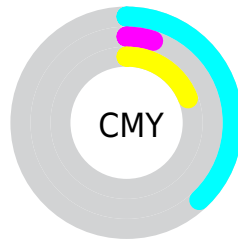
- Red (62%)
- Green (95%)
- Blue (81%)



- Red (62%)
- Yellow (83%)
- Blue (95%)



- Cyan (35%)
- Magenta (0%)
- Yellow (15%)
- Black (5%)




- Cyan (38%)
- Magenta (5%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8753, 0.2815, 0.3720 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 75.8753, 0.2815, 0.3720 by changing the saturation by 10% instead.



 75.8753, 0.2815,  
0.3720


 75.8753, 0.2815,  
0.3720


480.9207, 0.2961,  
0.3516

 56.3303, 0.2781,  
0.3768


 127.5506, 0.2866,  
0.3648

 40.4678, 0.2739,  
0.3827


 160.4497, 0.2886,  
0.3621

 27.9035, 0.2686,  
0.3904


198.5689, 0.2903,  
0.3597

 18.2529, 0.2615,  
0.4006

242.2926, 0.2918,  
0.3577

 11.1317, 0.2518,  
0.4147

292.0053, 0.2930,  
0.3559

 6.1555, 0.2377,  
0.4358


348.0913, 0.2942,

 2.9399, 0.2152,


0.3543


0.4702


410.9349, 0.2952,  
0.3529


 1.1004, 0.1170,  
0.5942


 0.0000, 0.0000,  
0.0000


 75.8753, 0.2815,  
0.3720


 75.8753, 0.2815,  
0.3720


 73.1663, 0.2744,  
0.3869


 79.1104, 0.2897,  
0.3582


 70.9446, 0.2686,  
0.4027

 82.8895, 0.2986,  
0.3456

 69.1809, 0.2645,  
0.4191

 87.2407, 0.3080,  
0.3342

 67.8384, 0.2624,  
0.4358

 92.1501, 0.3174,  
0.3240

■ 66.8747, 0.2623,  
0.4525

■ 92.5828, 0.3133,  
0.3175

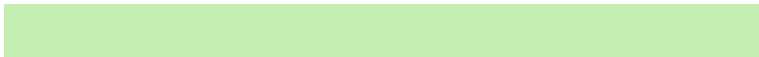
■ 66.2376, 0.2642,  
0.4687

■ 66.0019, 0.2657,  
0.4766

# Harmonies

## Analogous

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



75.8753, 0.3213, 0.3983



75.8753, 0.2815, 0.3720



75.8753, 0.2513, 0.3325

# Triad

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



75.8753, 0.2815, 0.3720



75.8753, 0.2638, 0.2623



75.8753, 0.3944, 0.3543

# Complementary

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



75.8753, 0.2815, 0.3720



47.4011, 0.3606, 0.2901

# 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.



75.8753, 0.3773, 0.3209



75.8753, 0.2815, 0.3720



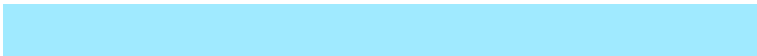
75.8753, 0.2998, 0.2700

# Square

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



75.8753, 0.2815, 0.3720



75.8753, 0.2418, 0.2706



75.8753, 0.3417, 0.2909



75.8753, 0.3878, 0.3841



# Rectangle

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



75.8753, 0.2815, 0.3720



75.8753, 0.2400, 0.3065



75.8753, 0.3417, 0.2909



75.8753, 0.3913, 0.3431

# Sweetspot

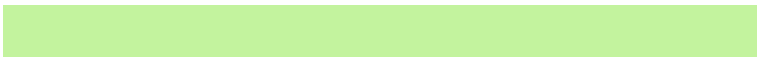
The Sweet Spot groups the original color and five complimentary colors.



75.8784, 0.2815, 0.3720



94.8049, 0.3032, 0.3398



78.1511, 0.3315, 0.4269



20.1472, 0.3019, 0.3414



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

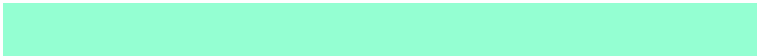


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8784, 0.2815, 0.3720



82.4442, 0.2763, 0.3825



74.5029, 0.2624, 0.3223



18.6323, 0.3037, 0.3392



36.2509, 0.2650, 0.4741



3.2066, 0.2595, 0.4540



# Inverse Universe

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



47.4011, 0.3606, 0.2901



46.2682, 0.3748, 0.2821



47.9544, 0.3942, 0.3355



16.5989, 0.3227, 0.3190



11.0189, 0.5285, 0.2685

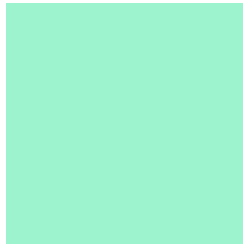


0.9885, 0.4963, 0.2508



# Previews

## White Background



This preview shows how the Yxy color 75.8753, 0.2815, 0.3720 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 75.8753, 0.2815, 0.3720 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

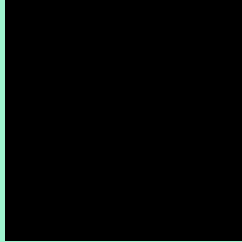
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

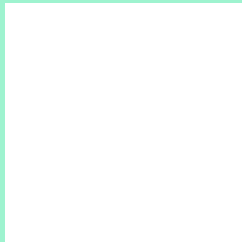
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.8753, 0.2815, 0.3720**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.8753, 0.2815, 0.3720.

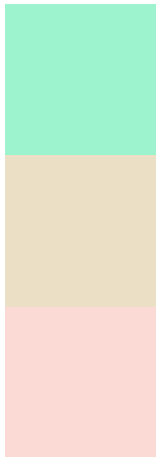


This preview shows how white text looks on a background with the Yxy color 75.8753, 0.2815, 0.3720.

# 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

75.8753, 0.2815, 0.3720

### Protanopia

75.0047, 0.3388, 0.3579

### Deuteranopia

74.8884, 0.3413, 0.3342



## Tritanopia

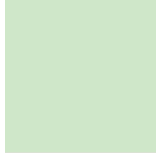
75.6459, 0.2620, 0.3077

# Trichromacy



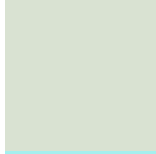
## Original Color

75.8753, 0.2815, 0.3720



## Protanomaly

74.6343, 0.3152, 0.3628



## Deuteranomaly

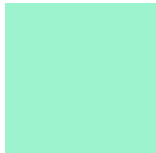
73.7976, 0.3168, 0.3466



## Tritanomaly

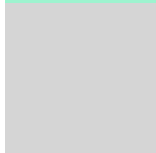
75.9054, 0.2688, 0.3300

# Monochromacy



## Original Color

75.8753, 0.2815, 0.3720



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.3519, 0.2996, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.8753, 0.2815, 0.3720 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(158, 243, 207)` looks like.

```
.text, #text, p{  
    color:rgb(158, 243, 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(158, 243, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 243, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 75.8753, 0.2815, 0.3720 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(158, 243, 207) }
```

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

```
.border{ border-color:rgb(158, 243, 207) }
```

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

Here you see how a box with a 4 pixel rgb(158, 243, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 243, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 243, 207);  
box-shadow:4px 4px 4px 4px rgb(158, 243,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.8753, 0.2815, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 243, 207) }
```

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

```
.background{ background-color: rgb(158,  
243, 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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