

# Converting Colors

$Y_{xy}(75.5159, 0.2646, 0.3415)$

Have a look what the booklet for  
Yxy(75.5159, 0.2646, 0.3415)  
contains.

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# Color

**Yxy(75.6633, 0.2646, 0.3418)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95F2E7
RGB	149, 242, 231
RGB Percent	58%, 95%, 91%
CMY	0.4156, 0.0510, 0.0940
CMYK	0.38, 0.00, 0.05, 0.05
HSL	173°, 78%, 77%
HSV	173°, 38%, 95%
XYZ	58.5738, 75.6633, 87.1301
YIQ	212.9390, -51.8970, -23.1370

# Conversions

## Conversions Part 2

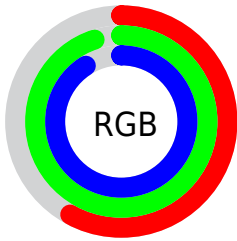
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 198, 242
Decimal	9827047
CIELab	89.70, -30.12, -3.43
CIELCh	90, 30.318, 186.504
Yxy	75.6633, 0.2646, 0.3418
Android (android.graphics.Color)	4288017127 (0xFF95F2E7)
YUV	212.9390, 8.9041, -56.0745
Hunter-Lab	86.9847, -32.0248, 1.5001

# Details

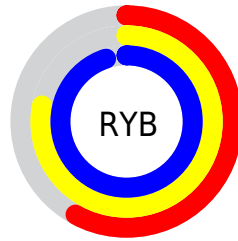
The Yxy color **75.6633, 0.2646, 0.3418** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **42.9154, 0.3969, 0.3171**, and the grayscale version is **66.4664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **40.5277, 0.2533, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **73.4611, 0.2551, 0.3457**, and if you desaturate by 10%, it is **78.3470, 0.2756, 0.3381**.

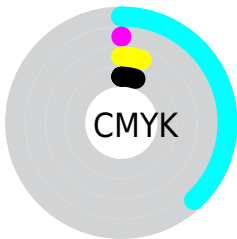
# Distribution



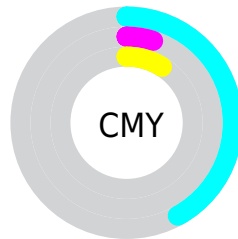
- Red (58%)
- Green (95%)
- Blue (91%)



- Red (58%)
- Yellow (78%)
- Blue (95%)



- Cyan (38%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)




- Cyan (42%)
- Magenta (5%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.6633, 0.2646, 0.3418 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 75.6633, 0.2646, 0.3418 by changing the saturation by 10% instead.




 75.6633, 0.2646,  
0.3418


 75.6633, 0.2646,  
0.3418

480.1943, 0.2865,  
0.3362

 56.1565, 0.2597,  
0.3430


 127.2509, 0.2721,  
0.3399

 40.3284, 0.2537,  
0.3445


 160.1003, 0.2751,  
0.3392

 27.7947, 0.2461,  
0.3463


198.1662, 0.2776,  
0.3385

 18.1709, 0.2364,  
0.3485

241.8328, 0.2798,  
0.3379

 11.0728, 0.2234,  
0.3514

291.4845, 0.2818,  
0.3374

 6.1158, 0.2052,  
0.3552

347.5057, 0.2835,

 2.9156, 0.1781,

0.3370

410.2809, 0.2851,  
0.3365

0.3602

1.0878, 0.1000,  
0.3810

0.0000, 0.0000,  
0.0000

75.6633, 0.2646,  
0.3418

75.6633, 0.2646,  
0.3418

73.4611, 0.2551,  
0.3457

78.3470, 0.2756,  
0.3381

71.7020, 0.2473,  
0.3497

81.5302, 0.2879,  
0.3347

70.3560, 0.2415,  
0.3538

85.2409, 0.3011,  
0.3315

69.3858, 0.2376,  
0.3580

89.5023, 0.3149,  
0.3286

■ 68.7473, 0.2356,  
0.3621

■ 91.3763, 0.3192,  
0.3258

■ 68.3776, 0.2352,  
0.3662

■ 91.5525, 0.3175,  
0.3231

■ 68.3300, 0.2352,  
0.3669

■ 91.7315, 0.3157,  
0.3203

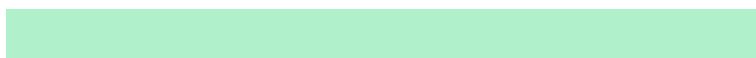
■ 91.9132, 0.3140,  
0.3176

■ 91.9848, 0.3133,  
0.3165

# Harmonies

## Analogous

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



75.6633, 0.2944, 0.3741



75.6633, 0.2646, 0.3418



75.6633, 0.2479, 0.3076

# Triad

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



75.6633, 0.2646, 0.3418



75.6633, 0.2922, 0.2736



75.6633, 0.3821, 0.3716

# Complementary

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



75.6633, 0.2646, 0.3418



42.9154, 0.3969, 0.3171

# 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.



75.6633, 0.3822, 0.3439



75.6633, 0.2646, 0.3418



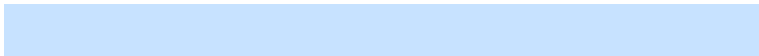
75.6633, 0.3286, 0.2894

# Square

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



75.6633, 0.2646, 0.3418



75.6633, 0.2631, 0.2706



75.6633, 0.3622, 0.3144



75.6633, 0.3626, 0.3903

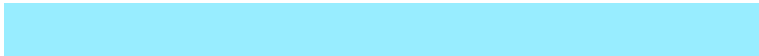


# Rectangle

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



75.6633, 0.2646, 0.3418



75.6633, 0.2457, 0.2892



75.6633, 0.3622, 0.3144



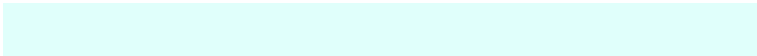
75.6633, 0.3845, 0.3630

# Sweetspot

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



75.6663, 0.2646, 0.3418



94.4207, 0.2962, 0.3326



73.2953, 0.3147, 0.4439



20.0915, 0.2945, 0.3330



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

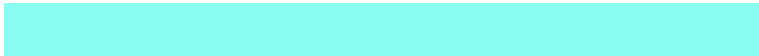


# Same Dimension

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



75.6663, 0.2646, 0.3418



83.2572, 0.2571, 0.3448



57.8680, 0.2531, 0.2875



17.8949, 0.2997, 0.3318



36.7206, 0.2351, 0.3662



3.0638, 0.2336, 0.3608



# Inverse Universe

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



42.9154, 0.3969, 0.3171



41.6035, 0.4232, 0.3149



54.9603, 0.3936, 0.3666



15.7892, 0.3275, 0.3262



10.1977, 0.6255, 0.3219

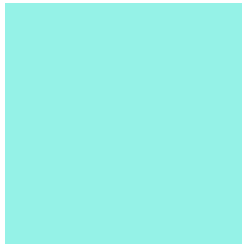


0.8582, 0.5977, 0.3066



# Previews

## White Background



This preview shows how the Yxy color 75.6633, 0.2646, 0.3418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

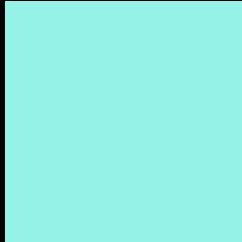
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.6633, 0.2646, 0.3418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

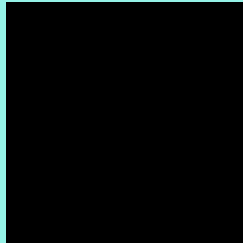
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.6633, 0.2646, 0.3418**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.6633, 0.2646, 0.3418.

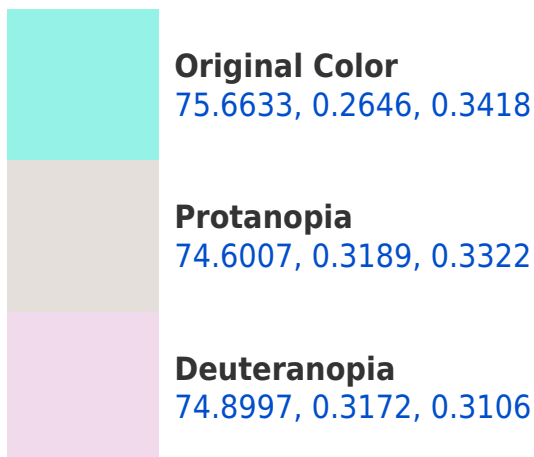


This preview shows how white text looks on a background with the Yxy color 75.6633, 0.2646, 0.3418.

# 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

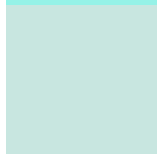
75.4698, 0.2586, 0.3086

# Trichromacy



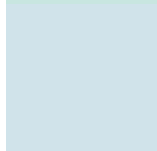
## Original Color

75.6633, 0.2646, 0.3418



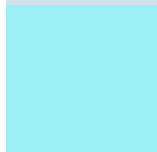
## Protanomaly

74.2548, 0.2964, 0.3357



## Deuteranomaly

74.2886, 0.2956, 0.3213



## Tritanomaly

75.5549, 0.2607, 0.3208

# Monochromacy



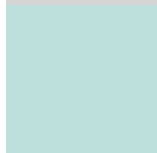
## Original Color

75.6633, 0.2646, 0.3418



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

69.4258, 0.2922, 0.3336

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.6633, 0.2646, 0.3418 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(149, 242, 231)` looks like.

```
.text, #text, p{  
    color:rgb(149, 242, 231)  
}
```

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(149, 242, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 242, 231) }
```

## Border

The CSS property to change the border of an element to Yxy 75.6633, 0.2646, 0.3418 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(149, 242, 231) }
```

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

```
.border{ border-color:rgb(149, 242, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 242, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 242, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 242, 231);  
box-shadow:4px 4px 4px 4px rgb(149, 242,  
231) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.6633, 0.2646, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 242, 231) }
```

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

```
.background{ background-color: rgb(149,  
242, 231) }
```

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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