

# Converting Colors

$Yxy(75.7986, 0.2682, 0.3300)$

Have a look what the booklet for  
Yxy(75.7986, 0.2682, 0.3300)  
contains.

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# Color

**Yxy(75.7986, 0.2682, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4EFEE
RGB	164, 239, 238
RGB Percent	64%, 94%, 93%
CMY	0.3571, 0.0627, 0.0666
CMYK	0.31, 0.00, 0.00, 0.06
HSL	179°, 70%, 79%
HSV	179°, 31%, 94%
XYZ	61.6036, 75.7986, 92.2905
YIQ	216.4610, -44.3790, -16.2110

# Conversions

## Conversions Part 2

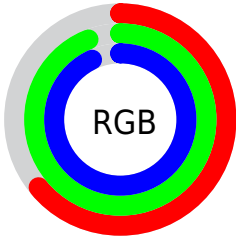
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 202, 239
Decimal	10809326
CIELab	89.77, -23.18, -6.92
CIELCh	90, 24.192, 196.624
Yxy	75.7986, 0.2682, 0.3300
Android (android.graphics.Color)	4288999406 (0xFFA4EFEE)
YUV	216.4610, 10.6187, -46.0083
Hunter-Lab	87.0624, -26.0562, -1.9067

# Details

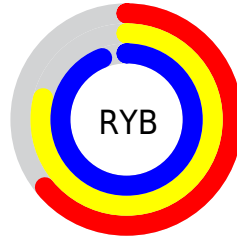
The Yxy color **75.7986, 0.2682, 0.3300** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.6002, 0.3836, 0.3281**, and the grayscale version is **68.9445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **40.4956, 0.2585, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **73.4757, 0.2567, 0.3304**, and if you desaturate by 10%, it is **78.6054, 0.2812, 0.3297**.

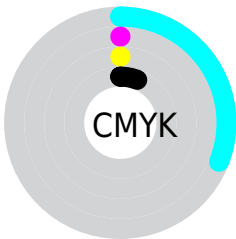
# Distribution



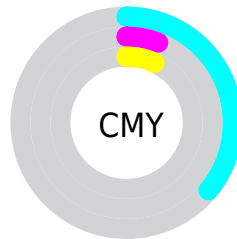
- Red (64%)
- Green (94%)
- Blue (93%)



- Red (64%)
- Yellow (79%)
- Blue (94%)



- Cyan (31%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (36%)
- Magenta (6%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7986, 0.2682, 0.3300 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 75.7986, 0.2682, 0.3300 by changing the saturation by 10% instead.





 75.7986, 0.2682,  
0.3300


 75.7986, 0.2682,  
0.3300


480.6580, 0.2884,  
0.3299

 56.2674, 0.2637,  
0.3300


 127.4422, 0.2751,  
0.3300

 40.4173, 0.2582,  
0.3299


 160.3233, 0.2778,  
0.3300

 27.8641, 0.2512,  
0.3297


198.4232, 0.2802,  
0.3300

 18.2232, 0.2423,  
0.3293

242.1263, 0.2822,  
0.3300

 11.1104, 0.2305,  
0.3287

291.8169, 0.2841,  
0.3299

 6.1411, 0.2139,  
0.3274

347.8795, 0.2857,

 2.9311, 0.1892,

0.3299

410.6984, 0.2871,  
0.3299

0.3246

1.0959, 0.1358,  
0.3223

0.0000, 0.0000,  
0.0000

75.7986, 0.2682,  
0.3300

75.7986, 0.2682,  
0.3300

73.4757, 0.2567,  
0.3304

78.6054, 0.2812,  
0.3297

71.6007, 0.2469,  
0.3308

81.9117, 0.2954,  
0.3293

70.1472, 0.2389,  
0.3312

85.7436, 0.3105,  
0.3290

69.0822, 0.2329,  
0.3316


89.2486, 0.3232,  
0.3288

 68.3678, 0.2289,  
0.3320


 89.2672, 0.3230,  
0.3285

 67.9586, 0.2266,  
0.3324

 89.2858, 0.3228,  
0.3282

 67.7884, 0.2258,  
0.3328

 89.3045, 0.3226,  
0.3278

 89.3232, 0.3224,  
0.3275

 89.3420, 0.3222,  
0.3272

# Harmonies

## Analogous

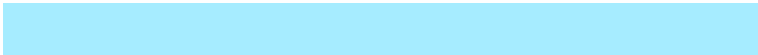
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7986, 0.2893, 0.3568



75.7986, 0.2682, 0.3300



75.7986, 0.2588, 0.3044

# Triad

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



75.7986, 0.2682, 0.3300



75.7986, 0.3060, 0.2874



75.7986, 0.3644, 0.3697

# Complementary

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



75.7986, 0.2682, 0.3300



47.6002, 0.3836, 0.3281

# 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.



75.7986, 0.3698, 0.3495



75.7986, 0.2682, 0.3300



75.7986, 0.3352, 0.3033

# Square

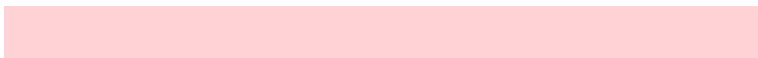
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.7986, 0.2682, 0.3300



75.7986, 0.2798, 0.2814



75.7986, 0.3590, 0.3255



75.7986, 0.3449, 0.3799

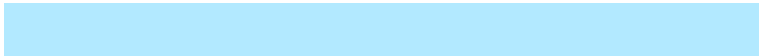


# Rectangle

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



75.7986, 0.2682, 0.3300



75.7986, 0.2601, 0.2917



75.7986, 0.3590, 0.3255



75.7986, 0.3680, 0.3637

# Sweetspot

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



75.8016, 0.2682, 0.3300



95.8848, 0.2989, 0.3293



72.4394, 0.3091, 0.4215



20.3911, 0.2968, 0.3293



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.



75.8016, 0.2682, 0.3300



85.9375, 0.2603, 0.3303



56.7054, 0.2625, 0.2853



17.9252, 0.2983, 0.3293



37.4589, 0.2258, 0.3327



3.1174, 0.2256, 0.3322



# Inverse Universe

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



47.6002, 0.3836, 0.3281



48.2641, 0.4061, 0.3279



62.4465, 0.3722, 0.3689



15.7622, 0.3291, 0.3287



10.1463, 0.6387, 0.3292

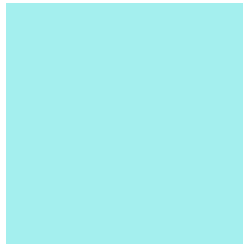


0.8453, 0.6350, 0.3272



# Previews

## White Background



This preview shows how the Yxy color 75.7986, 0.2682, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

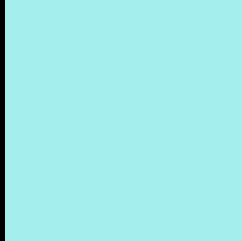
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7986, 0.2682, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

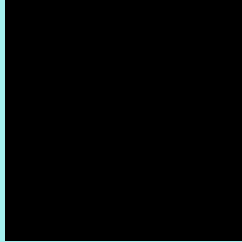
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.7986, 0.2682, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7986, 0.2682, 0.3300.

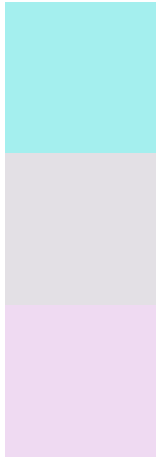


This preview shows how white text looks on a background with the Yxy color 75.7986, 0.2682, 0.3300.

# 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

75.7986, 0.2682, 0.3300

### Protanopia

75.2993, 0.3116, 0.3237

### Deuteranopia

74.9043, 0.3117, 0.3045



## Tritanopia

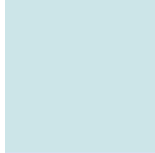
75.6459, 0.2620, 0.3077

# Trichromacy



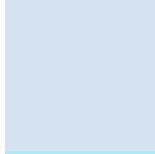
## Original Color

75.7986, 0.2682, 0.3300



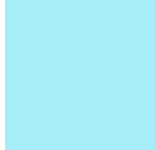
## Protanomaly

74.7022, 0.2942, 0.3256



## Deuteranomaly

74.7406, 0.2939, 0.3128



## Tritanomaly

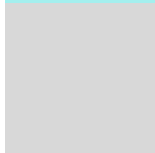
75.6234, 0.2640, 0.3153

# Monochromacy



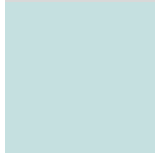
## Original Color

75.7986, 0.2682, 0.3300



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

70.5634, 0.2943, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7986, 0.2682, 0.3300 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(164, 239, 238)` looks like.

```
.text, #text, p{  
    color:rgb(164, 239, 238)  
}
```

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(164, 239, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 239, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7986, 0.2682, 0.3300 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(164, 239, 238) }
```

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

```
.border{ border-color:rgb(164, 239, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 239, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 239, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 239, 238);  
box-shadow:4px 4px 4px 4px rgb(164, 239,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7986, 0.2682, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 239, 238) }
```

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

```
.background{ background-color: rgb(164,  
239, 238) }
```

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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