

# Converting Colors

$Yxy(79.5399, 0.2687, 0.3386)$

Have a look what the booklet for  
Yxy(79.5399, 0.2687, 0.3386)  
contains.

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# Color

**Yxy(79.7073, 0.2687, 0.3391)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2F6ED
RGB	162, 246, 237
RGB Percent	64%, 96%, 93%
CMY	0.3643, 0.0354, 0.0705
CMYK	0.34, 0.00, 0.04, 0.04
HSL	174°, 82%, 80%
HSV	174°, 34%, 96%
XYZ	63.1594, 79.7073, 92.1887
YIQ	219.8580, -47.1750, -20.6070

# Conversions

## Conversions Part 2

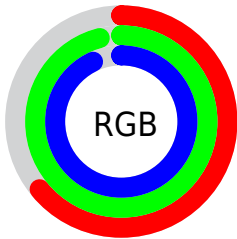
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	162, 206, 246
Decimal	10680045
CIE Lab	91.55, -27.27, -3.77
CIE LCh	92, 27.533, 187.869
Yxy	79.7073, 0.2687, 0.3391
Android (android.graphics.Color)	4288870125 (0xFFA2F6ED)
YUV	219.8580, 8.4510, -50.7415
Hunter-Lab	89.2789, -29.9603, 1.2729

# Details

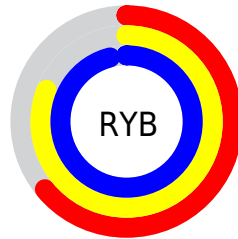
The Yxy color **79.7073, 0.2687, 0.3391** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.4113, 0.3847, 0.3194**, and the grayscale version is **71.4483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **42.7956, 0.2587, 0.3409** is the 20% darker color. If you saturate the color by 10%, you get **77.2267, 0.2584, 0.3425**, and if you desaturate by 10%, it is **82.7005, 0.2804, 0.3359**.

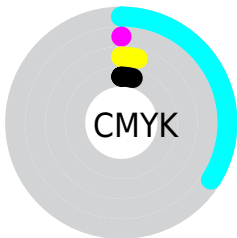
# Distribution



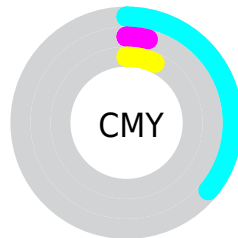
- Red (64%)
- Green (96%)
- Blue (93%)



- Red (64%)
- Yellow (81%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)




- Cyan (36%)
- Magenta (4%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7073, 0.2687, 0.3391 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 79.7073, 0.2687, 0.3391 by changing the saturation by 10% instead.




 79.7073, 0.2687,  
0.3391

 79.7073, 0.2687,  
0.3391


493.9459, 0.2886,  
0.3347

 59.4775, 0.2643,  
0.3400


 132.9541, 0.2755,  
0.3376

 42.9976, 0.2589,  
0.3411


 166.7400, 0.2782,  
0.3371

 29.8833, 0.2522,  
0.3425


205.8133, 0.2805,  
0.3366

 19.7500, 0.2435,  
0.3442

250.5585, 0.2825,  
0.3361

 12.2134, 0.2321,  
0.3463

301.3599, 0.2843,  
0.3357

 6.8892, 0.2161,  
0.3490

358.6021, 0.2859,

 3.3929, 0.1926,

0.3353

422.6692, 0.2873,  
0.3350

0.3525

1.3401, 0.1476,  
0.3598

0.1720, 0.0000,  
0.2761

79.7073, 0.2687,  
0.3391

79.7073, 0.2687,  
0.3391

77.2267, 0.2584,  
0.3425

82.7005, 0.2804,  
0.3359

75.2196, 0.2498,  
0.3461

86.2237, 0.2933,  
0.3328

73.6567, 0.2430,  
0.3498

90.3055, 0.3069,  
0.3301

72.5012, 0.2382,  
0.3535

93.9112, 0.3176,  
0.3275

■ 71.7107, 0.2353,  
0.3573

■ 94.0752, 0.3160,  
0.3250

■ 71.2332, 0.2342,  
0.3610

■ 94.2415, 0.3144,  
0.3225

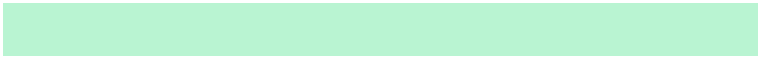
■ 71.0532, 0.2342,  
0.3631

■ 94.3826, 0.3131,  
0.3204

# Harmonies

## Analogous

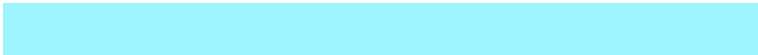
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.7073, 0.2951, 0.3679



79.7073, 0.2687, 0.3391



79.7073, 0.2542, 0.3089

# Triad

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



79.7073, 0.2687, 0.3391



79.7073, 0.2959, 0.2796



79.7073, 0.3742, 0.3684

# Complementary

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



79.7073, 0.2687, 0.3391



48.4113, 0.3847, 0.3194

# 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.



79.7073, 0.3750, 0.3439



79.7073, 0.2687, 0.3391



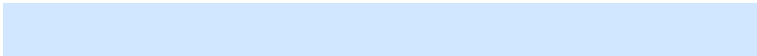
79.7073, 0.3285, 0.2943

# Square

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



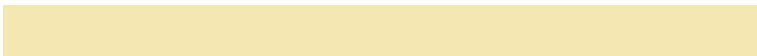
79.7073, 0.2687, 0.3391



79.7073, 0.2692, 0.2765



79.7073, 0.3580, 0.3173



79.7073, 0.3563, 0.3842

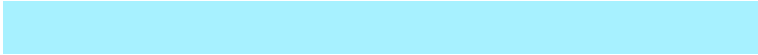


# Rectangle

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



79.7073, 0.2687, 0.3391



79.7073, 0.2527, 0.2927



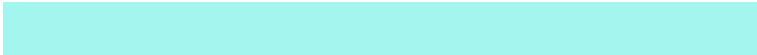
79.7073, 0.3580, 0.3173



79.7073, 0.3765, 0.3609

# Sweetspot

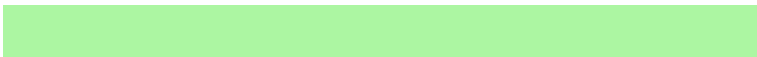
The Sweet Spot groups the original color and five complimentary colors.



79.7105, 0.2687, 0.3391



95.3060, 0.2988, 0.3317



77.2734, 0.3139, 0.4295



20.2690, 0.2968, 0.3321



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

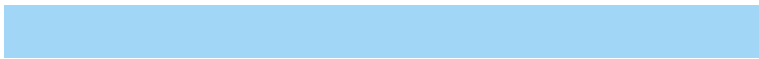
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7105, 0.2687, 0.3391



84.5676, 0.2613, 0.3415



62.3533, 0.2594, 0.2911



18.7255, 0.2995, 0.3315



37.9433, 0.2340, 0.3625



3.3434, 0.2328, 0.3579



# Inverse Universe

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



48.4113, 0.3847, 0.3194



45.8120, 0.4069, 0.3175



60.9019, 0.3816, 0.3638



16.5113, 0.3277, 0.3265



10.5081, 0.6275, 0.3230

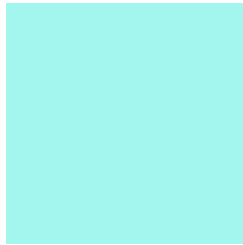


0.9329, 0.6028, 0.3095



# Previews

## White Background



This preview shows how the Yxy color 79.7073, 0.2687, 0.3391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

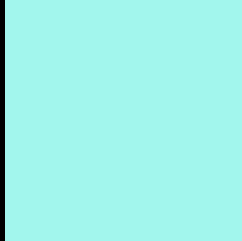
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.7073, 0.2687, 0.3391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

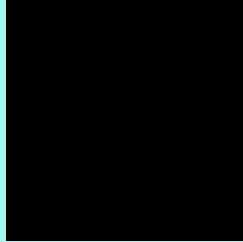
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 79.7073, 0.2687, 0.3391**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.7073, 0.2687, 0.3391.



This preview shows how white text looks on a background with the Yxy color 79.7073, 0.2687, 0.3391.

# 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

79.7073, 0.2687, 0.3391

### Protanopia

79.0771, 0.3174, 0.3311

### Deuteranopia

78.9603, 0.3171, 0.3100



## Tritanopia

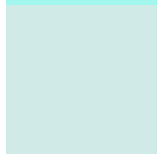
79.7305, 0.2704, 0.3126

# Trichromacy



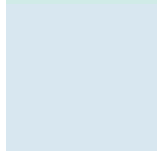
## Original Color

79.7073, 0.2687, 0.3391



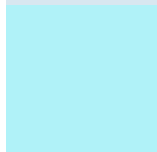
## Protanomaly

78.5961, 0.2975, 0.3333



## Deuteranomaly

78.0420, 0.2972, 0.3194



## Tritanomaly

79.5117, 0.2699, 0.3222

# Monochromacy



## Original Color

79.7073, 0.2687, 0.3391



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

73.6717, 0.2945, 0.3323

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.7073, 0.2687, 0.3391 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(162, 246, 237)` looks like.

```
.text, #text, p{  
    color:rgb(162, 246, 237)  
}
```

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(162, 246, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 246, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 79.7073, 0.2687, 0.3391 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(162, 246, 237) }
```

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

```
.border{ border-color:rgb(162, 246, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 246, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 246, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 246, 237); box-shadow:4px 4px 4px 4px rgb(162, 246, 237) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.7073, 0.2687, 0.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 246, 237) }
```

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

```
.background{ background-color: rgb(162,  
246, 237) }
```

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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