

# Converting Colors

$Yxy(73.2180, 0.2767, 0.3300)$

Have a look what the booklet for  
Yxy(73.2180, 0.2767, 0.3300)  
contains.

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# Color

**Yxy(73.2180, 0.2767, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFE9E8
RGB	175, 233, 232
RGB Percent	69%, 91%, 91%
CMY	0.3136, 0.0863, 0.0901
CMYK	0.25, 0.00, 0.00, 0.09
HSL	179°, 57%, 80%
HSV	179°, 25%, 91%
XYZ	61.3922, 73.2180, 87.2625
YIQ	215.5440, -34.2470, -12.6070

# Conversions

## Conversions Part 2

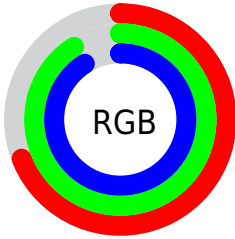
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 204, 233
Decimal	11528680
CIELab	88.55, -18.44, -5.51
CIELCh	89, 19.250, 196.642
Yxy	73.2180, 0.2767, 0.3300
Android (android.graphics.Color)	4289718760 (0xFFAFE9E8)
YUV	215.5440, 8.1128, -35.5571
Hunter-Lab	85.5675, -21.6746, -0.5672

# Details

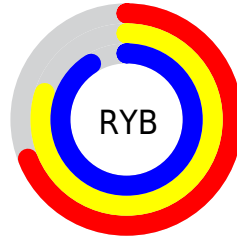
The Yxy color **73.2180, 0.2767, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.1306, 0.3643, 0.3281**, and the grayscale version is **68.3114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **38.6438, 0.2688, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **70.7309, 0.2642, 0.3305**, and if you desaturate by 10%, it is **76.1763, 0.2905, 0.3296**.

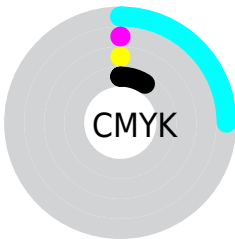
# Distribution



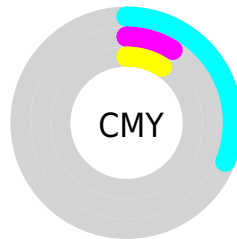
- Red (69%)
- Green (91%)
- Blue (91%)



- Red (69%)
- Yellow (80%)
- Blue (91%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (31%)
- Magenta (9%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2180, 0.2767, 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 73.2180, 0.2767, 0.3300 by changing the saturation by 10% instead.




 73.2180, 0.2767,  
0.3300

 73.2180, 0.2767,  
0.3300


471.7700, 0.2932,  
0.3298

 54.1542, 0.2730,  
0.3300


 123.7866, 0.2824,  
0.3300

 38.7250, 0.2684,  
0.3300


156.0603, 0.2846,  
0.3299

 26.5458, 0.2626,  
0.3299


193.5061, 0.2865,  
0.3299

 17.2324, 0.2551,  
0.3298

236.5083, 0.2882,  
0.3299

 10.4004, 0.2451,  
0.3294

285.4514, 0.2897,  
0.3298

 5.6652, 0.2307,  
0.3287

340.7198, 0.2910,

 2.6426, 0.2090,

0.3298

402.6979, 0.2921,  
0.3298

0.3269

0.9481, 0.1557,  
0.3283

0.0000, 0.0000,  
0.0000

73.2180, 0.2767,  
0.3300

73.2180, 0.2767,  
0.3300

70.7309, 0.2642,  
0.3305

76.1763, 0.2905,  
0.3296

68.6821, 0.2533,  
0.3310

79.6190, 0.3052,  
0.3292

67.0486, 0.2441,  
0.3315

83.5698, 0.3207,  
0.3288

65.8018, 0.2369,  
0.3320

85.4516, 0.3274,  
0.3285

■ 64.9092, 0.2316,  
0.3325

■ 85.4738, 0.3271,  
0.3281

■ 64.3332, 0.2282,  
0.3331

■ 85.4961, 0.3269,  
0.3277

■ 64.0277, 0.2265,  
0.3336

■ 85.5185, 0.3266,  
0.3273

■ 63.9389, 0.2261,  
0.3339

■ 85.5409, 0.3264,  
0.3269

■ 85.5633, 0.3261,  
0.3266

# Harmonies

## Analogous

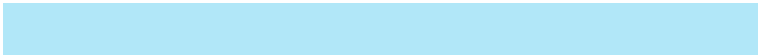
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2180, 0.2939, 0.3512



73.2180, 0.2767, 0.3300



73.2180, 0.2690, 0.3094

# Triad

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



73.2180, 0.2767, 0.3300



73.2180, 0.3075, 0.2952



73.2180, 0.3544, 0.3620

# Complementary

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



73.2180, 0.2767, 0.3300



51.1306, 0.3643, 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.



73.2180, 0.3586, 0.3459



73.2180, 0.2767, 0.3300



73.2180, 0.3309, 0.3081

# Square

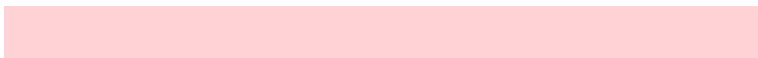
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2180, 0.2767, 0.3300



73.2180, 0.2862, 0.2903



73.2180, 0.3499, 0.3264



73.2180, 0.3388, 0.3699

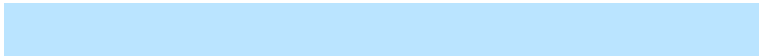


# Rectangle

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



73.2180, 0.2767, 0.3300



73.2180, 0.2700, 0.2990



73.2180, 0.3499, 0.3264



73.2180, 0.3572, 0.3573

# Sweetspot

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



73.2210, 0.2767, 0.3300



96.7512, 0.3020, 0.3293



70.6017, 0.3100, 0.3996



20.6519, 0.3011, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

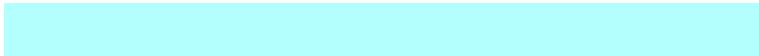


# Same Dimension

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



73.2210, 0.2767, 0.3300



88.1825, 0.2699, 0.3302



58.6543, 0.2733, 0.2956



17.1173, 0.2984, 0.3294



36.2840, 0.2261, 0.3338



2.8506, 0.2259, 0.3330



# Inverse Universe

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



51.1306, 0.3643, 0.3281



56.5862, 0.3794, 0.3279



63.1542, 0.3577, 0.3602



15.0581, 0.3290, 0.3287



9.8364, 0.6383, 0.3290

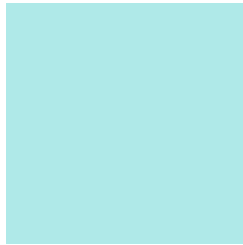


0.7738, 0.6334, 0.3263



# Previews

## White Background



This preview shows how the Yxy color 73.2180, 0.2767, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

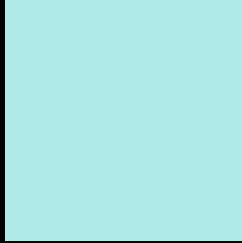
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2180, 0.2767, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

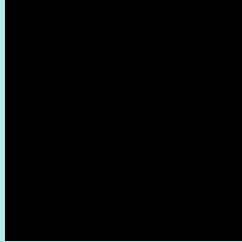
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.2180, 0.2767, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2180, 0.2767, 0.3300.

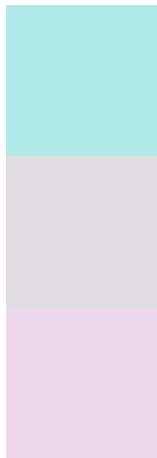


This preview shows how white text looks on a background with the Yxy color 73.2180, 0.2767, 0.3300.

# 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

73.2180, 0.2767, 0.3300

### Protanopia

72.4699, 0.3123, 0.3236

### Deuteranopia

72.6615, 0.3145, 0.3073



## Tritanopia

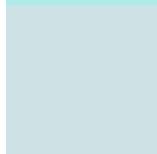
73.0169, 0.2696, 0.3076

# Trichromacy



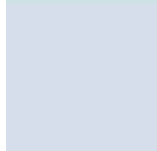
## Original Color

73.2180, 0.2767, 0.3300



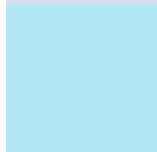
## Protanomaly

72.5737, 0.2979, 0.3256



## Deuteranomaly

72.5369, 0.2989, 0.3149



## Tritanomaly

73.0879, 0.2723, 0.3153

# Monochromacy



## Original Color

73.2180, 0.2767, 0.3300



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

69.9340, 0.2982, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2180, 0.2767, 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(175, 233, 232)` looks like.

```
.text, #text, p{  
    color:rgb(175, 233, 232)  
}
```

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(175, 233, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 233, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2180, 0.2767, 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(175, 233, 232) }
```

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

```
.border{ border-color:rgb(175, 233, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 233, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 233, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 233, 232);  
box-shadow:4px 4px 4px 4px rgb(175, 233,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2180, 0.2767, 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(175, 233, 232) }
```

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

```
.background{ background-color: rgb(175,  
233, 232) }
```

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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