

# Converting Colors

$Yxy(73.1459, 0.2764, 0.3289)$

Have a look what the booklet for  
Yxy(73.1459, 0.2764, 0.3289)  
contains.

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# Color

**Yxy(73.2750, 0.2762, 0.3289)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AFE9E9
RGB	175, 233, 233
RGB Percent	69%, 91%, 91%
CMY	0.3135, 0.0863, 0.0863
CMYK	0.25, 0.00, 0.00, 0.09
HSL	180°, 57%, 80%
HSV	180°, 25%, 91%
XYZ	61.5341, 73.2750, 87.9790
YIQ	215.6580, -34.5680, -12.2960

# Conversions

## Conversions Part 2

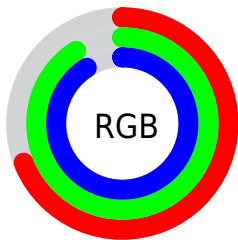
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 204, 233
Decimal	11528681
CIELab	88.58, -18.23, -5.97
CIELCh	89, 19.181, 198.145
Yxy	73.2750, 0.2762, 0.3289
Android (android.graphics.Color)	4289718761 (0xFFAFE9E9)
YUV	215.6580, 8.5496, -35.6571
Hunter-Lab	85.6008, -21.4869, -1.0166

# Details

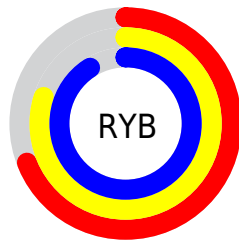
The Yxy color **73.2750, 0.2762, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **51.1045, 0.3651, 0.3291**, and the grayscale version is **68.3919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **38.6836, 0.2682, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **70.8092, 0.2636, 0.3289**, and if you desaturate by 10%, it is **76.2120, 0.2902, 0.3289**.

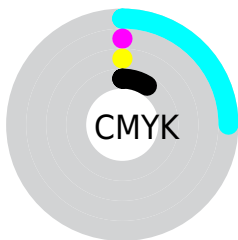
# Distribution



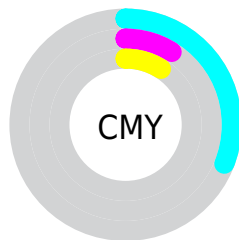
- Red (69%)
- Green (91%)
- Blue (91%)



- 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 73.2750, 0.2762, 0.3289 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 73.2750, 0.2762, 0.3289 by changing the saturation by 10% instead.




 73.2750, 0.2762,  
0.3289

 73.2750, 0.2762,  
0.3289


471.9674, 0.2929,  
0.3292

 54.2009, 0.2724,  
0.3288


 123.8675, 0.2820,  
0.3290

 38.7623, 0.2678,  
0.3286


156.1547, 0.2842,  
0.3291

 26.5748, 0.2620,  
0.3284


193.6150, 0.2862,  
0.3291

 17.2542, 0.2544,  
0.3279

236.6329, 0.2879,  
0.3291

 10.4159, 0.2442,  
0.3272

285.5926, 0.2893,  
0.3292

 5.6756, 0.2298,  
0.3260

340.8787, 0.2907,

 2.6488, 0.2078,

0.3292

402.8755, 0.2919,  
0.3292

0.3233

0.9513, 0.1553,  
0.3227

0.0000, 0.0000,  
0.0000

73.2750, 0.2762,  
0.3289

73.2750, 0.2762,  
0.3289

70.8092, 0.2636,  
0.3289

76.2120, 0.2902,  
0.3289

68.7816, 0.2525,  
0.3288

79.6333, 0.3051,  
0.3290


67.1694, 0.2432,  
0.3288


83.5627, 0.3209,  
0.3290


65.9438, 0.2359,  
0.3288


85.4177, 0.3278,  
0.3290


 65.0724, 0.2305,  
0.3288


 85.4179, 0.3278,  
0.3290


 64.5177, 0.2270,  
0.3288


 85.4181, 0.3278,  
0.3290

 64.2334, 0.2252,  
0.3288

 85.4183, 0.3278,  
0.3290

 64.1554, 0.2247,  
0.3288

 85.4185, 0.3278,  
0.3290

 85.4187, 0.3277,  
0.3290

# Harmonies

## Analogous

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



73.2750, 0.2930, 0.3502



73.2750, 0.2762, 0.3289



73.2750, 0.2690, 0.3086

# Triad

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



73.2750, 0.2762, 0.3289



73.2750, 0.3087, 0.2957



73.2750, 0.3537, 0.3625

# Complementary

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



73.2750, 0.2762, 0.3289



51.1045, 0.3651, 0.3291

# 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.



73.2750, 0.3585, 0.3468



73.2750, 0.2762, 0.3289



73.2750, 0.3320, 0.3090

# Square

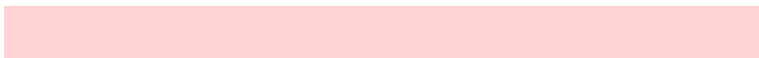
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.2750, 0.2762, 0.3289



73.2750, 0.2872, 0.2905



73.2750, 0.3504, 0.3274



73.2750, 0.3377, 0.3698

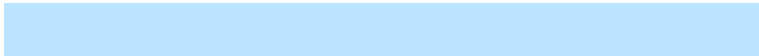


# Rectangle

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



73.2750, 0.2762, 0.3289



73.2750, 0.2704, 0.2985



73.2750, 0.3504, 0.3274



73.2750, 0.3567, 0.3580

# Sweetspot

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



73.2780, 0.2762, 0.3289



96.7702, 0.3018, 0.3290



70.6054, 0.3100, 0.3995



20.6563, 0.3009, 0.3290



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.



73.2780, 0.2762, 0.3289



88.2635, 0.2693, 0.3289



58.6635, 0.2733, 0.2956



17.1219, 0.2981, 0.3290



36.4052, 0.2247, 0.3288



2.8587, 0.2247, 0.3288



# Inverse Universe

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



51.1045, 0.3651, 0.3291



56.5351, 0.3805, 0.3292



63.1616, 0.3577, 0.3602



15.0541, 0.3293, 0.3290



9.8299, 0.6401, 0.3300

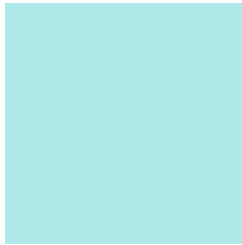


0.7719, 0.6400, 0.3299



# Previews

## White Background



This preview shows how the Yxy color 73.2750, 0.2762, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

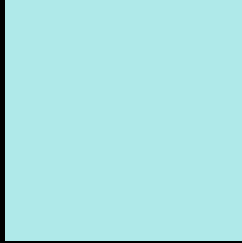
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2750, 0.2762, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

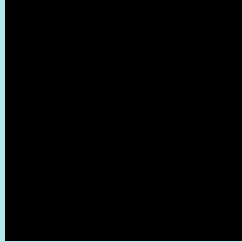
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

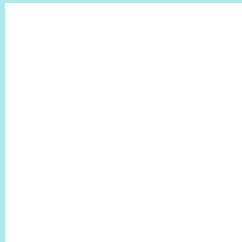
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.2750, 0.2762, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.2750, 0.2762, 0.3289.

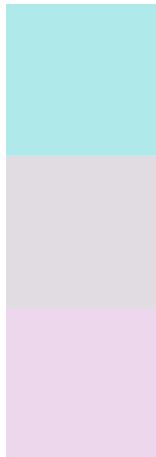


This preview shows how white text looks on a background with the Yxy color 73.2750, 0.2762, 0.3289.

# 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

73.2750, 0.2762, 0.3289

### Protanopia

72.5247, 0.3116, 0.3226

### Deuteranopia

72.5482, 0.3131, 0.3062



## Tritanopia

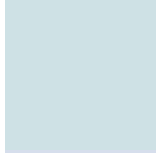
73.4564, 0.2691, 0.3087

# Trichromacy



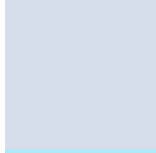
## Original Color

73.2750, 0.2762, 0.3289



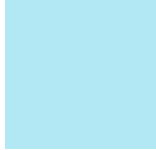
## Protanomaly

72.6294, 0.2972, 0.3245



## Deuteranomaly

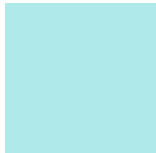
72.5948, 0.2983, 0.3138



## Tritanomaly

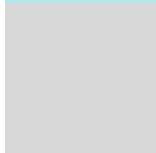
73.5314, 0.2719, 0.3165

# Monochromacy



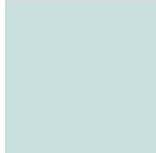
## Original Color

73.2750, 0.2762, 0.3289



## 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 73.2750, 0.2762, 0.3289 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, 233)` looks like.

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

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, 233) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to Yxy 73.2750, 0.2762, 0.3289 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, 233) }
```

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

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

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, 233)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to Yxy 73.2750, 0.2762, 0.3289 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, 233) }
```

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

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

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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