

# Converting Colors

$Yxy(73.1117, 0.2645, 0.3276)$

Have a look what the booklet for  
Yxy(73.1117, 0.2645, 0.3276)  
contains.

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# Color

**Yxy(73.2734, 0.2647, 0.3277)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DECED
RGB	157, 236, 237
RGB Percent	62%, 93%, 93%
CMY	0.3843, 0.0745, 0.0706
CMYK	0.34, 0.00, 0.00, 0.07
HSL	181°, 69%, 77%
HSV	181°, 34%, 93%
XYZ	59.1867, 73.2734, 91.1390
YIQ	212.4930, -47.4050, -16.4370

# Conversions

## Conversions Part 2

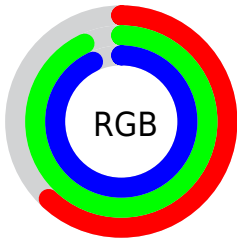
Format	Color
<a href="#">RYB</a>	<a href="#">157, 197, 237</a>
Decimal	<a href="#">10349805</a>
CIELab	<a href="#">88.58, -23.80, -8.18</a>
CIELCh	<a href="#">89, 25.162, 198.968</a>
Yxy	<a href="#">73.2734, 0.2647, 0.3277</a>
Android (android.graphics.Color)	<a href="#">4288539885</a> ( <a href="#">0xFF9DECED</a> )
YUV	<a href="#">212.4930, 12.0820, -48.6674</a>
Hunter-Lab	<a href="#">85.5999, -26.3788, -3.2067</a>

# Details

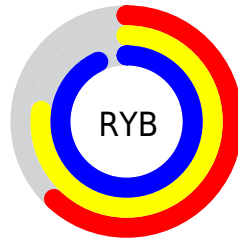
The Yxy color **73.2734, 0.2647, 0.3277** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **44.8935, 0.3918, 0.3304**, and the grayscale version is **66.1281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **38.7454, 0.2536, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **70.9500, 0.2533, 0.3273**, and if you desaturate by 10%, it is **76.0652, 0.2776, 0.3281**.

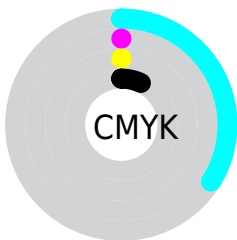
# Distribution



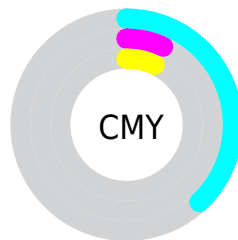
- Red (62%)
- Green (93%)
- Blue (93%)



- Red (62%)
- Yellow (77%)
- Blue (93%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (38%)
- Magenta (7%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2734, 0.2647, 0.3277 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 73.2734, 0.2647, 0.3277 by changing the saturation by 10% instead.





 73.2734, 0.2647,  
0.3277


 73.2734, 0.2647,  
0.3277

471.9618, 0.2866,  
0.3287

 54.1995, 0.2598,  
0.3274


 123.8653, 0.2722,  
0.3281

 38.7612, 0.2538,  
0.3269


 156.1521, 0.2752,  
0.3283

 26.5740, 0.2462,  
0.3263


193.6120, 0.2777,  
0.3284

 17.2536, 0.2365,  
0.3253

236.6294, 0.2799,  
0.3285

 10.4154, 0.2235,  
0.3238

285.5886, 0.2819,  
0.3285

 5.6753, 0.2053,  
0.3211

340.8742, 0.2836,

 2.6486, 0.1782,

0.3286

0.3159

402.8705, 0.2852,  
0.3287

0.9512, 0.1061,  
0.3138

0.0000, 0.0000,  
0.0000

73.2734, 0.2647,  
0.3277

73.2734, 0.2647,  
0.3277

70.9500, 0.2533,  
0.3273

76.0652, 0.2776,  
0.3281

69.0595, 0.2437,  
0.3269

79.3414, 0.2918,  
0.3285


67.5752, 0.2360,  
0.3264


83.1277, 0.3069,  
0.3289

66.4637, 0.2303,  
0.3260


87.4458, 0.3226,  
0.3292

 65.6867, 0.2264,  
0.3256


 88.2160, 0.3248,  
0.3295

 65.1972, 0.2243,  
0.3252

 88.3866, 0.3247,  
0.3298

 64.9925, 0.2236,  
0.3249

 88.5576, 0.3247,  
0.3301

 88.7288, 0.3247,  
0.3304

 88.9003, 0.3247,  
0.3307

# Harmonies

## Analogous

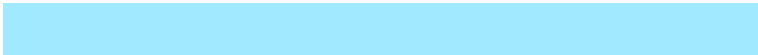
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2734, 0.2860, 0.3563



73.2734, 0.2647, 0.3277



73.2734, 0.2560, 0.3012

# Triad

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



73.2734, 0.2647, 0.3277



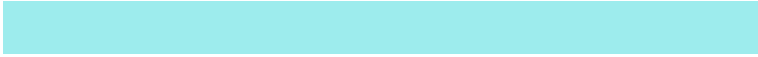
73.2734, 0.3080, 0.2864



73.2734, 0.3660, 0.3730

# Complementary

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



73.2734, 0.2647, 0.3277



44.8935, 0.3918, 0.3304

# 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.



73.2734, 0.3730, 0.3523



73.2734, 0.2647, 0.3277



73.2734, 0.3386, 0.3036

# Square

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



73.2734, 0.2647, 0.3277



73.2734, 0.2800, 0.2791



73.2734, 0.3629, 0.3272



73.2734, 0.3445, 0.3829

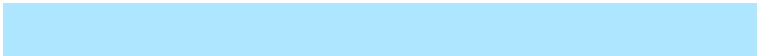


# Rectangle

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



73.2734, 0.2647, 0.3277



73.2734, 0.2580, 0.2885



73.2734, 0.3629, 0.3272



73.2734, 0.3702, 0.3670

# Sweetspot

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



73.2763, 0.2647, 0.3277



95.2789, 0.2973, 0.3286



70.1693, 0.3080, 0.4298



20.2623, 0.2952, 0.3286



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.



73.2763, 0.2647, 0.3277



84.7085, 0.2572, 0.3274



53.2177, 0.2585, 0.2798



17.0880, 0.2981, 0.3287



35.5009, 0.2236, 0.3250



2.7980, 0.2238, 0.3255



# Inverse Universe

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



48.1782, 0.3175, 0.2462



51.1813, 0.3184, 0.2312



60.3725, 0.3771, 0.3734



15.3104, 0.3140, 0.3061



13.0766, 0.3240, 0.1559

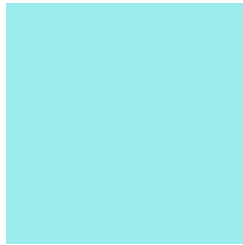


1.0279, 0.3236, 0.1556



# Previews

## White Background



This preview shows how the Yxy color 73.2734, 0.2647, 0.3277 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

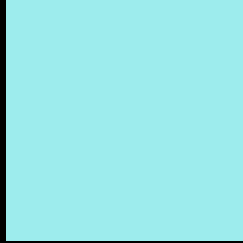
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2734, 0.2647, 0.3277 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 73.2734, 0.2647, 0.3277**

## Background



This preview shows how black text looks on a background with the Yxy color 73.2734, 0.2647, 0.3277.

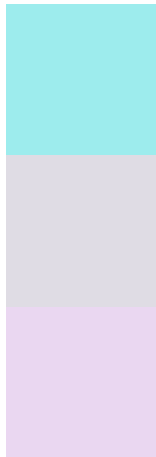


This preview shows how white text looks on a background with the Yxy color 73.2734, 0.2647, 0.3277.

# 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

73.2734, 0.2647, 0.3277

### Protanopia

72.4758, 0.3096, 0.3204

### Deuteranopia

72.4442, 0.3090, 0.3020



## Tritanopia

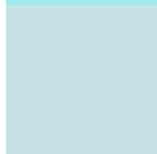
73.4510, 0.2590, 0.3084

# Trichromacy



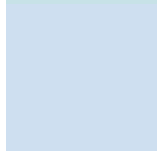
## Original Color

73.2734, 0.2647, 0.3277



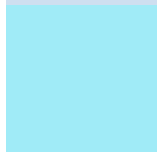
## Protanomaly

72.3043, 0.2915, 0.3234



## Deuteranomaly

72.1884, 0.2905, 0.3104



## Tritanomaly

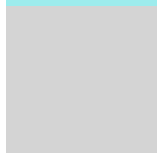
73.6056, 0.2611, 0.3151

# Monochromacy



## Original Color

73.2734, 0.2647, 0.3277



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

68.1398, 0.2928, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2734, 0.2647, 0.3277 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(157, 236, 237)` looks like.

```
.text, #text, p{  
    color:rgb(157, 236, 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(157, 236, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 236, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2734, 0.2647, 0.3277 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(157, 236, 237) }
```

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

```
.border{ border-color:rgb(157, 236, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 236, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 236, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 236, 237);  
box-shadow:4px 4px 4px 4px rgb(157, 236,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2734, 0.2647, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 236, 237) }
```

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

```
.background{ background-color: rgb(157,  
236, 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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