

# Converting Colors

$Y_{xy}(75.2799, 0.2733, 0.3314)$

Have a look what the booklet for  
Yxy(75.2799, 0.2733, 0.3314)  
contains.

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# Color

**Yxy(75.2245, 0.2733, 0.3312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEDED
RGB	171, 237, 235
RGB Percent	67%, 93%, 92%
CMY	0.3293, 0.0706, 0.0785
CMYK	0.28, 0.00, 0.01, 0.07
HSL	178°, 65%, 80%
HSV	178°, 28%, 93%
XYZ	62.0738, 75.2245, 89.8288
YIQ	217.0380, -38.6940, -14.6140

# Conversions

## Conversions Part 2

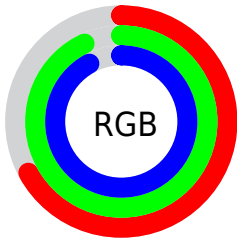
Format	Color
<b>RYB</b>	171, 205, 237
Decimal	11267563
CIELab	89.50, -20.93, -5.68
CIELCh	89, 21.687, 195.196
Yxy	75.2245, 0.2733, 0.3312
Android (android.graphics.Color)	4289457643 (0xFFABEDEB)
YUV	217.0380, 8.8553, -40.3753
Hunter-Lab	86.7321, -24.0293, -0.6945

# Details

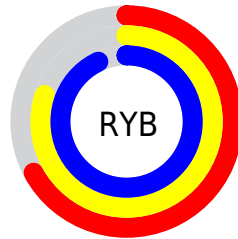
The Yxy color **75.2245, 0.2733, 0.3312** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.1560, 0.3718, 0.3269**, and the grayscale version is **69.3765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **40.0154, 0.2643, 0.3319** is the 20% darker color. If you saturate the color by 10%, you get **72.7581, 0.2614, 0.3321**, and if you desaturate by 10%, it is **78.1743, 0.2866, 0.3304**.

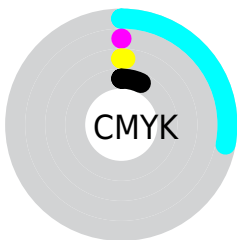
# Distribution



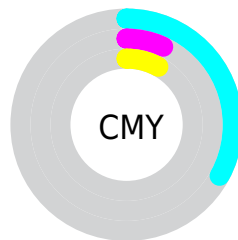
- Red (67%)
- Green (93%)
- Blue (92%)



- Red (67%)
- Yellow (80%)
- Blue (93%)



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)




- Cyan (33%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.2245, 0.2733, 0.3312 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 75.2245, 0.2733, 0.3312 by changing the saturation by 10% instead.





 75.2245, 0.2733,  
0.3312

 75.2245, 0.2733,  
0.3312


478.6888, 0.2912,  
0.3304

 55.7968, 0.2693,  
0.3313


 126.6301, 0.2795,  
0.3310

 40.0401, 0.2643,  
0.3314


159.3768, 0.2819,  
0.3309

 27.5698, 0.2581,  
0.3315


197.3320, 0.2840,  
0.3308

 18.0016, 0.2501,  
0.3316

240.8801, 0.2858,  
0.3307

 10.9511, 0.2394,  
0.3315

290.4054, 0.2874,  
0.3306

 6.0340, 0.2243,  
0.3311

346.2924, 0.2888,

 2.8658, 0.2016,

0.3306

408.9254, 0.2901,  
0.3305

0.3297

1.0621, 0.1519,  
0.3302

0.0000, 0.0000,  
0.0000

75.2245, 0.2733,  
0.3312

75.2245, 0.2733,  
0.3312

72.7581, 0.2614,  
0.3321

78.1743, 0.2866,  
0.3304

70.7405, 0.2511,  
0.3331


81.6220, 0.3009,  
0.3296


69.1469, 0.2426,  
0.3340

85.5927, 0.3160,  
0.3289

67.9463, 0.2360,  
0.3351


87.9972, 0.3242,  
0.3282

 67.1035, 0.2314,  
0.3361


 88.0400, 0.3238,  
0.3275


 66.5772, 0.2286,  
0.3371


 88.0830, 0.3233,  
0.3267

 66.3108, 0.2275,  
0.3380

 88.1262, 0.3228,  
0.3260

 66.2689, 0.2273,  
0.3383

 88.1695, 0.3224,  
0.3253

 88.2130, 0.3219,  
0.3246

# Harmonies

## Analogous

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



75.2245, 0.2928, 0.3550



75.2245, 0.2733, 0.3312



75.2245, 0.2642, 0.3080

# Triad

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



75.2245, 0.2733, 0.3312



75.2245, 0.3056, 0.2909



75.2245, 0.3598, 0.3650

# Complementary

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



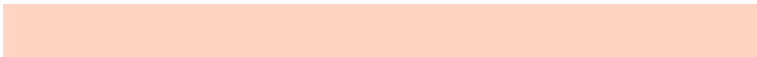
75.2245, 0.2733, 0.3312



50.1560, 0.3718, 0.3269

# 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.



75.2245, 0.3638, 0.3466



75.2245, 0.2733, 0.3312



75.2245, 0.3318, 0.3049

# Square

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



75.2245, 0.2733, 0.3312



75.2245, 0.2822, 0.2860



75.2245, 0.3535, 0.3249



75.2245, 0.3428, 0.3746

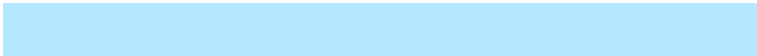


# Rectangle

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



75.2245, 0.2733, 0.3312



75.2245, 0.2649, 0.2962



75.2245, 0.3535, 0.3249



75.2245, 0.3627, 0.3596

# Sweetspot

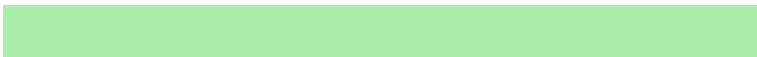
The Sweet Spot groups the original color and five complimentary colors.



75.2275, 0.2733, 0.3312



96.2939, 0.3006, 0.3296



72.4206, 0.3103, 0.4092



20.4713, 0.2984, 0.3297



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

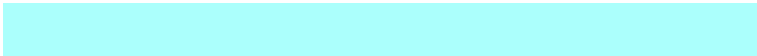


# Same Dimension

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



75.2275, 0.2733, 0.3312



87.2159, 0.2668, 0.3317



59.0182, 0.2685, 0.2923



17.1134, 0.2985, 0.3297



36.1827, 0.2273, 0.3381



2.8437, 0.2269, 0.3367



# Inverse Universe

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



50.1560, 0.3718, 0.3269



53.3631, 0.3877, 0.3265



63.0984, 0.3645, 0.3630



15.0615, 0.3288, 0.3283



9.8420, 0.6368, 0.3281

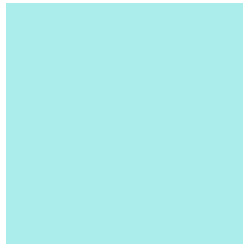


0.7755, 0.6278, 0.3232



# Previews

## White Background



This preview shows how the Yxy color 75.2245, 0.2733, 0.3312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

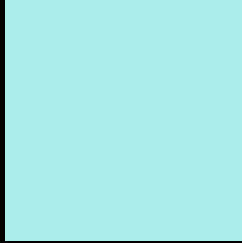
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.2245, 0.2733, 0.3312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

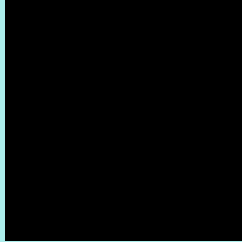
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.2245, 0.2733, 0.3312**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.2245, 0.2733, 0.3312.

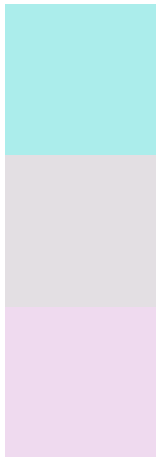


This preview shows how white text looks on a background with the Yxy color 75.2245, 0.2733, 0.3312.

# 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

75.2245, 0.2733, 0.3312

### Protanopia

74.6523, 0.3129, 0.3248

### Deuteranopia

74.7255, 0.3137, 0.3075



## Tritanopia

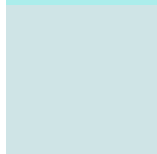
75.0514, 0.2658, 0.3077

# Trichromacy



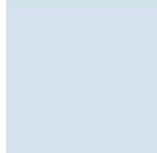
## Original Color

75.2245, 0.2733, 0.3312



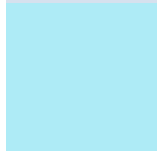
## Protanomaly

74.4654, 0.2973, 0.3268



## Deuteranomaly

74.3196, 0.2971, 0.3150



## Tritanomaly

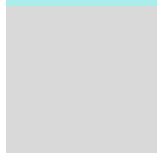
75.0692, 0.2690, 0.3165

# Monochromacy



## Original Color

75.2245, 0.2733, 0.3312



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

70.9725, 0.2963, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.2245, 0.2733, 0.3312 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(171, 237, 235)` looks like.

```
.text, #text, p{  
    color:rgb(171, 237, 235)  
}
```

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(171, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 237, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 75.2245, 0.2733, 0.3312 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(171, 237, 235) }
```

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

```
.border{ border-color:rgb(171, 237, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 237, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 237, 235);  
box-shadow:4px 4px 4px 4px rgb(171, 237,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.2245, 0.2733, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 237, 235) }
```

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

```
.background{ background-color: rgb(171,  
237, 235) }
```

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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