

# Converting Colors

$Yxy(74.0259, 0.2957, 0.3346)$

Have a look what the booklet for  
Yxy(74.0259, 0.2957, 0.3346)  
contains.

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# Color

**Yxy(74.1720, 0.2952, 0.3345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E6E1
RGB	199, 230, 225
RGB Percent	78%, 90%, 88%
CMY	0.2193, 0.0981, 0.1176
CMYK	0.13, 0.00, 0.02, 0.10
HSL	170°, 38%, 84%
HSV	170°, 13%, 90%
XYZ	65.4576, 74.1720, 82.1103
YIQ	220.1610, -16.8710, -8.1270

# Conversions

## Conversions Part 2

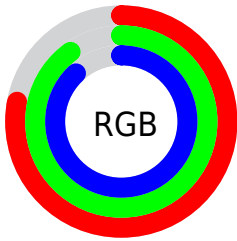
Format	Color
R <sub>Y</sub> B	199, 216, 230
Decimal	13100769
CIE Lab	89.00, -11.05, -1.00
CIE LCh	89, 11.100, 185.184
Yxy	74.1720, 0.2952, 0.3345
Android (android.graphics.Color)	4291290849 (0xFFC7E6E1)
YUV	220.1610, 2.3856, -18.5582
Hunter-Lab	86.1232, -15.0472, 3.7588

# Details

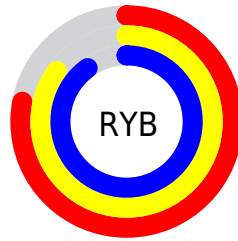
The Yxy color **74.1720, 0.2952, 0.3345** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.0665, 0.3335, 0.3236**, and the grayscale version is **71.6917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.1941, 0.2910, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **71.0619, 0.2830, 0.3391**, and if you desaturate by 10%, it is **77.7681, 0.3081, 0.3303**.

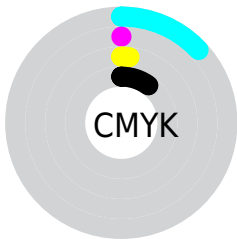
# Distribution



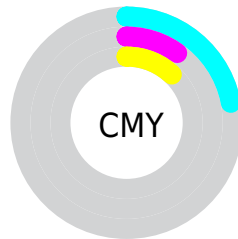
- Red (78%)
- Green (90%)
- Blue (88%)



- Red (78%)
- Yellow (85%)
- Blue (90%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (22%)
- Magenta (10%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.1720, 0.2952, 0.3345 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 74.1720, 0.2952, 0.3345 by changing the saturation by 10% instead.



■ 74.1720, 0.2952,  
0.3345

■ 74.1720, 0.2952,  
0.3345

475.0668, 0.3033,  
0.3320

■ 54.9348, 0.2934,  
0.3351

125.1396, 0.2980,  
0.3336

■ 39.3495, 0.2911,  
0.3358

157.6388, 0.2991,  
0.3333

■ 27.0318, 0.2882,  
0.3366

195.3275, 0.3000,  
0.3330

■ 17.5971, 0.2845,  
0.3378

238.5901, 0.3008,  
0.3328

■ 10.6611, 0.2794,  
0.3393

287.8109, 0.3016,  
0.3325

■ 5.8394, 0.2722,  
0.3415

343.3743, 0.3022,

■ 2.7477, 0.2608,

0.3323

0.3448

405.6648, 0.3028,  
0.3322

■ 1.0015, 0.2380,  
0.3517

■ 0.0000, 0.0000,  
0.0000

■ 74.1720, 0.2952,  
0.3345

■ 74.1720, 0.2952,  
0.3345

■ 71.0619, 0.2830,  
0.3391

■ 77.7681, 0.3081,  
0.3303

■ 68.4073, 0.2718,  
0.3440


■ 81.8609, 0.3215,  
0.3266


■ 66.1884, 0.2619,  
0.3492


■ 83.9074, 0.3260,  
0.3230

■ 64.3803, 0.2536,  
0.3547


■ 84.1247, 0.3236,  
0.3194

 62.9555, 0.2470,  
0.3603


 84.3465, 0.3212,  
0.3158

 61.8833, 0.2424,  
0.3661

 84.5729, 0.3188,  
0.3122


 61.1281, 0.2398,  
0.3719

 84.8037, 0.3164,  
0.3087

 60.6468, 0.2390,  
0.3776

 85.0392, 0.3141,  
0.3052

 60.4352, 0.2393,  
0.3814

 85.0649, 0.3139,  
0.3048

# Harmonies

## Analogous

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



74.1720, 0.3068, 0.3454



74.1720, 0.2952, 0.3345



74.1720, 0.2883, 0.3223

# Triad

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



74.1720, 0.2952, 0.3345



74.1720, 0.3048, 0.3075



74.1720, 0.3383, 0.3452

# Complementary

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



74.1720, 0.2952, 0.3345



62.0665, 0.3335, 0.3236

# 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.



74.1720, 0.3378, 0.3349



74.1720, 0.2952, 0.3345



74.1720, 0.3183, 0.3134

# Square

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



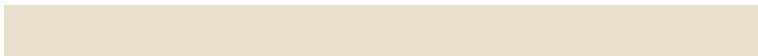
74.1720, 0.2952, 0.3345



74.1720, 0.2937, 0.3070



74.1720, 0.3304, 0.3233



74.1720, 0.3318, 0.3514



# Rectangle

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



74.1720, 0.2952, 0.3345



74.1720, 0.2872, 0.3152



74.1720, 0.3304, 0.3233



74.1720, 0.3390, 0.3421

# Sweetspot

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



74.1751, 0.2952, 0.3345



98.0113, 0.3074, 0.3306



73.5822, 0.3146, 0.3641



20.9009, 0.3064, 0.3309



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

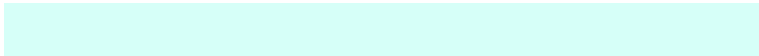


# Same Dimension

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



74.1751, 0.2952, 0.3345



92.6509, 0.2919, 0.3357



68.8857, 0.2919, 0.3174



16.2945, 0.3003, 0.3328



34.2356, 0.2390, 0.3804



2.5406, 0.2367, 0.3721



# Inverse Universe

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



62.0665, 0.3335, 0.3236



74.6621, 0.3384, 0.3225



66.7363, 0.3358, 0.3404



14.4056, 0.3267, 0.3252



9.6115, 0.6166, 0.3170

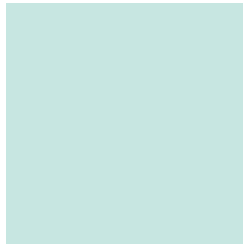


0.7218, 0.5797, 0.2967



# Previews

## White Background



This preview shows how the Yxy color 74.1720, 0.2952, 0.3345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

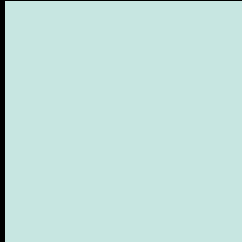
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.1720, 0.2952, 0.3345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

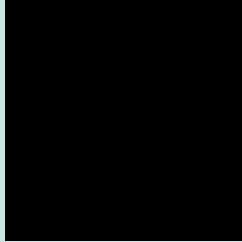
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

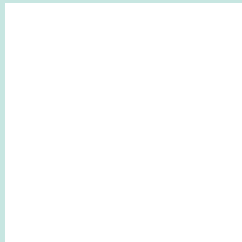
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.1720, 0.2952, 0.3345**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.1720, 0.2952, 0.3345.

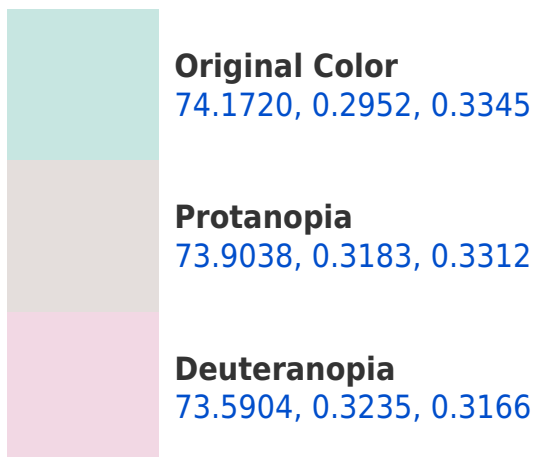


This preview shows how white text looks on a background with the Yxy color 74.1720, 0.2952, 0.3345.

# 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

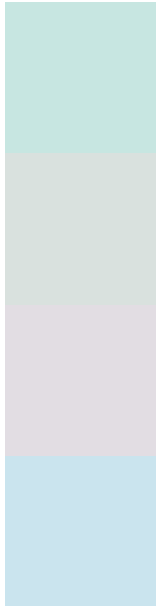




## Tritanopia

74.2273, 0.2859, 0.3094

# Trichromacy



**Original Color**

74.1720, 0.2952, 0.3345

**Protanomaly**

73.8761, 0.3091, 0.3323

**Deuteranomaly**

73.4277, 0.3123, 0.3226

**Tritanomaly**

74.2164, 0.2893, 0.3180

# Monochromacy



**Original Color**

74.1720, 0.2952, 0.3345

**Achromatopsia**

71.5694, 0.3127, 0.3290

**Achromatomaly**

72.5823, 0.3057, 0.3312

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.1720, 0.2952, 0.3345 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(199, 230, 225)` looks like.

```
.text, #text, p{  
    color:rgb(199, 230, 225)  
}
```

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(199, 230, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 230, 225) }
```

## Border

The CSS property to change the border of an element to Yxy 74.1720, 0.2952, 0.3345 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(199, 230, 225) }
```

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

```
.border{ border-color:rgb(199, 230, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 230, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 230, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 230, 225); box-shadow:4px 4px 4px 4px rgb(199, 230, 225) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.1720, 0.2952, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 230, 225) }
```

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

```
.background{ background-color: rgb(199,  
230, 225) }
```

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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