

# Converting Colors

$Yxy(73.6674, 0.2997, 0.3287)$

Have a look what the booklet for  
Yxy(73.6674, 0.2997, 0.3287)  
contains.

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# Color

**Yxy(73.8941, 0.2998, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D0E3E3
RGB	208, 227, 227
RGB Percent	82%, 89%, 89%
CMY	0.1845, 0.1097, 0.1099
CMYK	0.08, 0.00, 0.00, 0.11
HSL	180°, 25%, 85%
HSV	180°, 8%, 89%
XYZ	67.3357, 73.8941, 83.3723
YIQ	221.3190, -11.3240, -4.0280

# Conversions

## Conversions Part 2

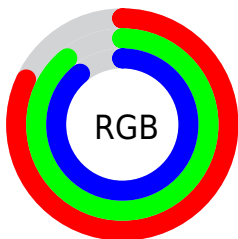
Format	Color
R <sub>Y</sub> B	208, 218, 227
Decimal	13689827
CIE Lab	88.87, -6.31, -2.16
CIE LCh	89, 6.665, 198.886
Yxy	73.8941, 0.2998, 0.3290
Android (android.graphics.Color)	4291879907 (0xFFD0E3E3)
YUV	221.3190, 2.8007, -11.6808
Hunter-Lab	85.9617, -10.6099, 2.6691

# Details

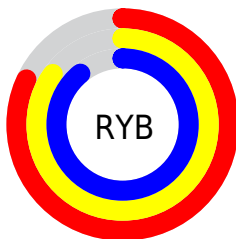
The Yxy color  $73.8941, 0.2998, 0.3290$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $65.9802, 0.3272, 0.3290$ , and the grayscale version is  $72.5248, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $39.3536, 0.2970, 0.3290$  is the 20% darker color. If you saturate the color by 10%, you get  $70.8371, 0.2852, 0.3290$ , and if you desaturate by 10%, it is  $77.4282, 0.3152, 0.3290$ .

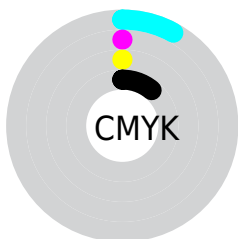
# Distribution



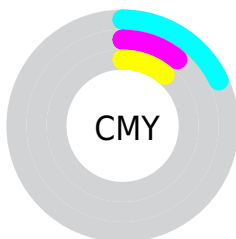
- Red (82%)
- Green (89%)
- Blue (89%)



- Red (82%)
- Yellow (85%)
- Blue (89%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (18%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8941, 0.2998, 0.3290 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 73.8941, 0.2998, 0.3290 by changing the saturation by 10% instead.



■ 73.8941, 0.2998,  
0.3290

■ 73.8941, 0.2998,  
0.3290

474.1078, 0.3058,  
0.3290

■ 54.7074, 0.2984,  
0.3290

124.7457, 0.3019,  
0.3290

■ 39.1675, 0.2968,  
0.3290

157.1793, 0.3027,  
0.3290

■ 26.8900, 0.2947,  
0.3289

194.7974, 0.3034,  
0.3290

■ 17.4907, 0.2919,  
0.3289

237.9842, 0.3040,  
0.3290

■ 10.5849, 0.2882,  
0.3288

287.1243, 0.3045,  
0.3290

■ 5.7885, 0.2828,  
0.3286

342.6020, 0.3050,

■ 2.7169, 0.2744,

0.3290

404.8017, 0.3054,  
0.3290

0.3283

0.9858, 0.2591,  
0.3276

0.0000, 0.0000,  
0.0000

73.8941, 0.2998,  
0.3290

73.8941, 0.2998,  
0.3290

70.8371, 0.2852,  
0.3290

77.4282, 0.3152,  
0.3290

68.2280, 0.2717,  
0.3290


81.4489, 0.3312,  
0.3290


66.0486, 0.2596,  
0.3291

81.7603, 0.3323,  
0.3290


64.2759, 0.2492,  
0.3291


81.7628, 0.3323,  
0.3289

 62.8846, 0.2406,  
0.3291

 81.7652, 0.3323,  
0.3289

 61.8466, 0.2339,  
0.3292


 81.7676, 0.3322,  
0.3288

 61.1303, 0.2292,  
0.3292

 81.7700, 0.3322,  
0.3288

 60.6979, 0.2263,  
0.3293

 81.7725, 0.3322,  
0.3287

 60.4948, 0.2250,  
0.3293

 81.7749, 0.3321,  
0.3287

# Harmonies

## Analogous

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



73.8941, 0.3058, 0.3361



73.8941, 0.2998, 0.3290



73.8941, 0.2973, 0.3220

# Triad

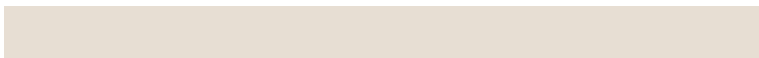
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8941, 0.2998, 0.3290



73.8941, 0.3117, 0.3172



73.8941, 0.3268, 0.3409

# Complementary

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



73.8941, 0.2998, 0.3290



65.9802, 0.3272, 0.3290

# 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.



73.8941, 0.3284, 0.3357



73.8941, 0.2998, 0.3290



73.8941, 0.3196, 0.3221

# Square

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



73.8941, 0.2998, 0.3290



73.8941, 0.3041, 0.3154



73.8941, 0.3258, 0.3288



73.8941, 0.3213, 0.3430



# Rectangle

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



73.8941, 0.2998, 0.3290



73.8941, 0.2979, 0.3184



73.8941, 0.3258, 0.3288



73.8941, 0.3278, 0.3394

# Sweetspot

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



73.8972, 0.2998, 0.3290



98.5769, 0.3080, 0.3290



72.9504, 0.3119, 0.3504



21.0202, 0.3068, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

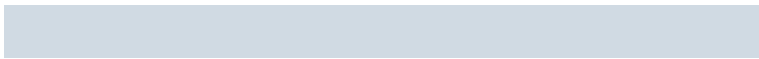
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.8972, 0.2998, 0.3290



95.4772, 0.2973, 0.3290



68.9939, 0.2998, 0.3187



16.3359, 0.2982, 0.3290



35.2607, 0.2248, 0.3293



2.6058, 0.2248, 0.3292



# Inverse Universe

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



65.9802, 0.3272, 0.3290



83.2636, 0.3304, 0.3290



70.6002, 0.3262, 0.3391



14.3685, 0.3292, 0.3290



9.5250, 0.6399, 0.3299

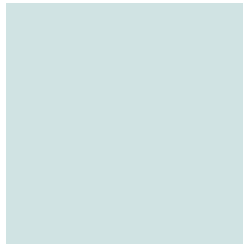


0.7040, 0.6392, 0.3295



# Previews

## White Background



This preview shows how the Yxy color 73.8941, 0.2998, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

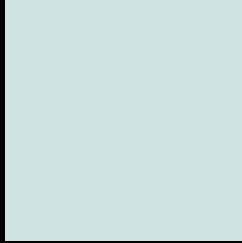
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.8941, 0.2998, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

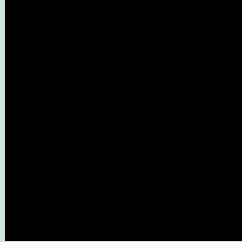
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

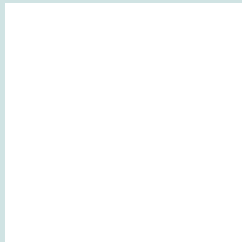
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.8941, 0.2998, 0.3290**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.8941, 0.2998, 0.3290.

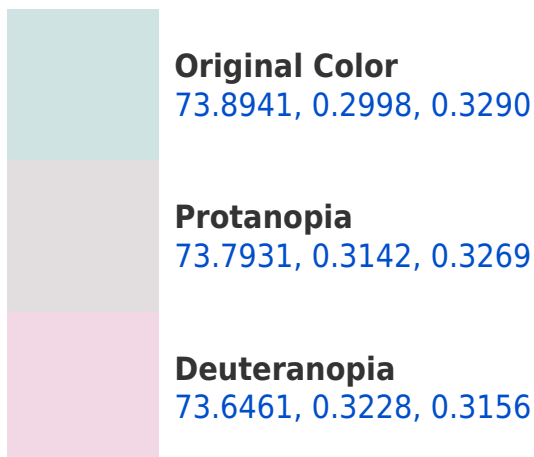


This preview shows how white text looks on a background with the Yxy color 73.8941, 0.2998, 0.3290.

# 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

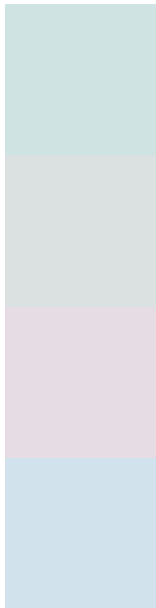




## Tritanopia

74.1101, 0.2927, 0.3107

# Trichromacy



## Original Color

73.8941, 0.2998, 0.3290

## Protanomaly

73.8076, 0.3086, 0.3279

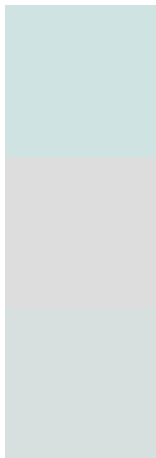
## Deuteranomaly

73.6108, 0.3145, 0.3205

## Tritanomaly

74.2088, 0.2950, 0.3170

# Monochromacy



## Original Color

73.8941, 0.2998, 0.3290

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.7020, 0.3078, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8941, 0.2998, 0.3290 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(208, 227, 227)` looks like.

```
.text, #text, p{  
    color:rgb(208, 227, 227)  
}
```

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(208, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 227, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8941, 0.2998, 0.3290 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(208, 227, 227) }
```

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

```
.border{ border-color:rgb(208, 227, 227) }
```

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

Here you see how a box with a 4 pixel rgb(208, 227, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(208, 227,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8941, 0.2998, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 227, 227) }
```

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

```
.background{ background-color: rgb(208,  
227, 227) }
```

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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