

# Converting Colors

$Y_{xy}(72.5325, 0.2958, 0.3290)$

Have a look what the booklet for  
Yxy(72.5325, 0.2958, 0.3290)  
contains.

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# Color

**Yxy(72.3012, 0.2958, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9E2E2
RGB	201, 226, 226
RGB Percent	79%, 89%, 89%
CMY	0.2118, 0.1137, 0.1139
CMYK	0.11, 0.00, 0.00, 0.11
HSL	180°, 30%, 84%
HSV	180°, 11%, 89%
XYZ	65.0052, 72.3012, 82.4541
YIQ	218.5250, -14.9000, -5.3000

# Conversions

## Conversions Part 2

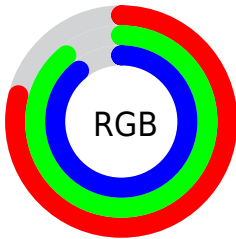
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 214, 226
Decimal	13230818
CIE Lab	88.11, -8.24, -2.79
CIE LCh	88, 8.697, 198.723
Yxy	72.3012, 0.2958, 0.3290
Android (android.graphics.Color)	4291420898 (0xFFC9E2E2)
YUV	218.5250, 3.6852, -15.3694
Hunter-Lab	85.0301, -12.3402, 2.0273

# Details

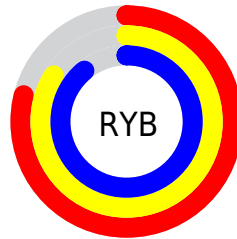
The Yxy color  $72.3012, 0.2958, 0.3290$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $62.1590, 0.3324, 0.3290$ , and the grayscale version is  $70.4735, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $38.2691, 0.2918, 0.3289$  is the 20% darker color. If you saturate the color by 10%, you get  $69.3968, 0.2815, 0.3290$ , and if you desaturate by 10%, it is  $75.6725, 0.3110, 0.3290$ .

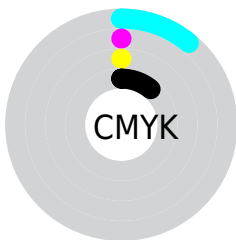
# Distribution



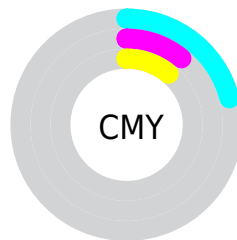
- Red (79%)
- Green (89%)
- Blue (89%)



- Red (79%)
- Yellow (84%)
- Blue (89%)



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



- Cyan (21%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3012, 0.2958, 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 72.3012, 0.2958, 0.3290 by changing the saturation by 10% instead.



■ 72.3012, 0.2958,  
0.3290

■ 72.3012, 0.2958,  
0.3290

468.5893, 0.3036,  
0.3291

■ 53.4048, 0.2940,  
0.3290

122.4847, 0.2985,  
0.3290

■ 38.1260, 0.2918,  
0.3289

154.5405, 0.2996,  
0.3290

■ 26.0805, 0.2890,  
0.3289

191.7515, 0.3005,  
0.3290

■ 16.8839, 0.2854,  
0.3288

234.5022, 0.3013,  
0.3290

■ 10.1517, 0.2804,  
0.3286

283.1769, 0.3020,  
0.3291

■ 5.4997, 0.2733,  
0.3284

338.1601, 0.3026,

■ 2.5433, 0.2621,

0.3291

399.8361, 0.3031,  
0.3291

0.3278

0.8983, 0.2382,  
0.3279

0.0000, 0.0000,  
0.0000

72.3012, 0.2958,  
0.3290

72.3012, 0.2958,  
0.3290

69.3968, 0.2815,  
0.3290

75.6725, 0.3110,  
0.3290

66.9301, 0.2683,  
0.3290


79.5204, 0.3269,  
0.3290

64.8828, 0.2567,  
0.3291


81.1548, 0.3331,  
0.3290


63.2314, 0.2467,  
0.3291


81.1571, 0.3331,  
0.3289


 61.9503, 0.2386,  
0.3291


 81.1594, 0.3331,  
0.3289

 61.0109, 0.2325,  
0.3292

 81.1618, 0.3330,  
0.3289


 60.3805, 0.2283,  
0.3292

 81.1641, 0.3330,  
0.3288

 60.0199, 0.2258,  
0.3293

 81.1664, 0.3330,  
0.3288

 59.8672, 0.2248,  
0.3293

 81.1687, 0.3330,  
0.3287

# Harmonies

## Analogous

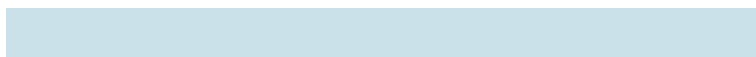
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3012, 0.3036, 0.3384



72.3012, 0.2958, 0.3290



72.3012, 0.2925, 0.3198

# Triad

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



72.3012, 0.2958, 0.3290



72.3012, 0.3112, 0.3136



72.3012, 0.3312, 0.3446

# Complementary

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



72.3012, 0.2958, 0.3290



62.1590, 0.3324, 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.



72.3012, 0.3334, 0.3377



72.3012, 0.2958, 0.3290



72.3012, 0.3217, 0.3199

# Square

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



72.3012, 0.2958, 0.3290



72.3012, 0.3013, 0.3111



72.3012, 0.3299, 0.3287



72.3012, 0.3241, 0.3474



# Rectangle

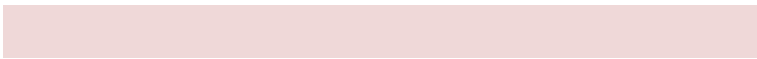
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3012, 0.2958, 0.3290



72.3012, 0.2932, 0.3151



72.3012, 0.3299, 0.3287



72.3012, 0.3326, 0.3426

# Sweetspot

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



72.3042, 0.2958, 0.3290



98.5769, 0.3080, 0.3290



71.0897, 0.3117, 0.3577



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.



72.3042, 0.2958, 0.3290



94.2419, 0.2928, 0.3290



65.9599, 0.2956, 0.3152



15.5719, 0.2982, 0.3290



34.1507, 0.2248, 0.3293



2.3673, 0.2248, 0.3292

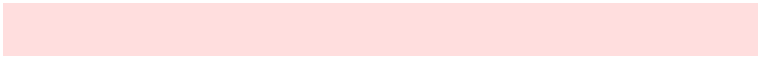


# Inverse Universe

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



62.1590, 0.3324, 0.3290



78.6921, 0.3365, 0.3290



68.0183, 0.3308, 0.3424



13.7010, 0.3292, 0.3290



9.2250, 0.6399, 0.3299

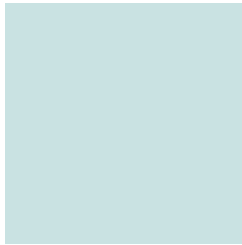


0.6396, 0.6392, 0.3295



# Previews

## White Background



This preview shows how the Yxy color 72.3012, 0.2958, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

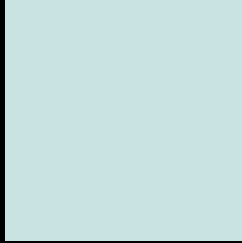
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3012, 0.2958, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

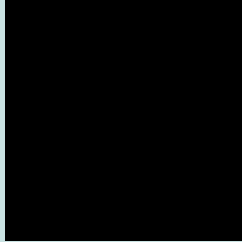
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

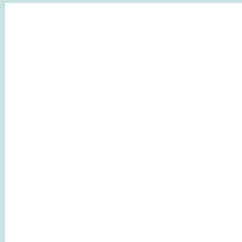
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3012, 0.2958, 0.3290**

## Background



This preview shows how black text looks on a background with the Yxy color 72.3012, 0.2958, 0.3290.

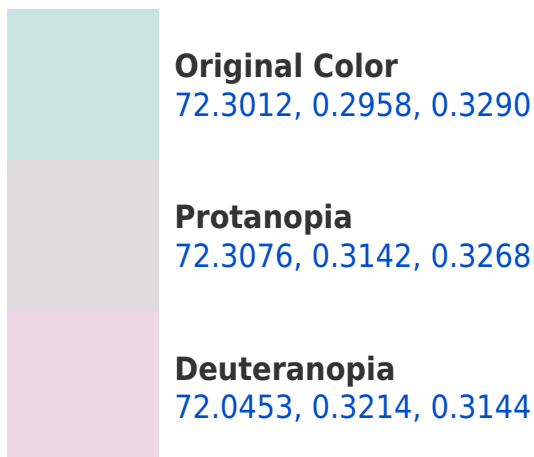


This preview shows how white text looks on a background with the Yxy color 72.3012, 0.2958, 0.3290.

# 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

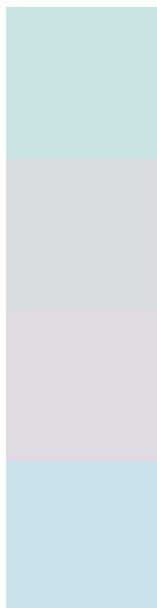




## Tritanopia

72.4996, 0.2887, 0.3104

# Trichromacy



## Original Color

72.3012, 0.2958, 0.3290

## Protanomaly

72.1692, 0.3079, 0.3279

## Deuteranomaly

71.6964, 0.3117, 0.3193

## Tritanomaly

72.6031, 0.2910, 0.3168

# Monochromacy



## Original Color

72.3012, 0.2958, 0.3290

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.5135, 0.3057, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3012, 0.2958, 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(201, 226, 226)` looks like.

```
.text, #text, p{  
    color:rgb(201, 226, 226)  
}
```

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(201, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 226, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3012, 0.2958, 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(201, 226, 226) }
```

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

```
.border{ border-color:rgb(201, 226, 226) }
```

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

Here you see how a box with a 4 pixel rgb(201, 226, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(201, 226,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3012, 0.2958, 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(201, 226, 226) }
```

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

```
.background{ background-color: rgb(201,  
226, 226) }
```

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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