

# Converting Colors

$Yxy(73.1217, 0.2973, 0.3201)$

Have a look what the booklet for  
Yxy(73.1217, 0.2973, 0.3201)  
contains.

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# Color

**Yxy(73.2889, 0.2968, 0.3202)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1E1E9
RGB	209, 225, 233
RGB Percent	82%, 88%, 91%
CMY	0.1803, 0.1177, 0.0862
CMYK	0.10, 0.03, 0.00, 0.09
HSL	200°, 35%, 87%
HSV	200°, 10%, 91%
XYZ	67.9330, 73.2889, 87.6629
YIQ	221.1280, -12.1040, -0.9040

# Conversions

## Conversions Part 2

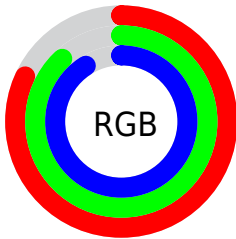
Format	Color
R <sub>Y</sub> B	209, 219, 233
Decimal	13754857
CIE Lab	88.59, -3.75, -5.74
CIE LCh	89, 6.858, 236.807
Yxy	73.2889, 0.2968, 0.3202
Android (android.graphics.Color)	4291944937 (0xFFD1E1E9)
YUV	221.1280, 5.8529, -10.6363
Hunter-Lab	85.6089, -8.1711, -0.7862

# Details

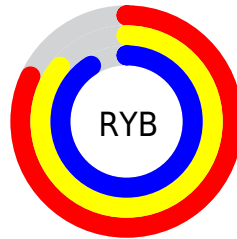
The Yxy color **73.2889, 0.2968, 0.3202** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.5733, 0.3299, 0.3376**, and the grayscale version is **72.3698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.7938, 0.2930, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **66.0252, 0.2813, 0.3107**, and if you desaturate by 10%, it is **81.2476, 0.3123, 0.3288**.

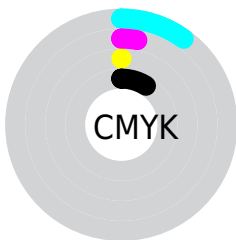
# Distribution



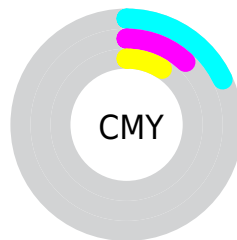
- Red (82%)
- Green (88%)
- Blue (91%)



- Red (82%)
- Yellow (86%)
- Blue (91%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (18%)
- Magenta (12%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.2889, 0.2968, 0.3202 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 73.2889, 0.2968, 0.3202 by changing the saturation by 10% instead.



■ 73.2889, 0.2968,  
0.3202

■ 73.2889, 0.2968,  
0.3202

472.0155, 0.3041,  
0.3243

■ 54.2122, 0.2951,  
0.3193

123.8873, 0.2993,  
0.3216

■ 38.7714, 0.2931,  
0.3181

156.1777, 0.3003,  
0.3222

■ 26.5819, 0.2905,  
0.3166

193.6416, 0.3012,  
0.3227

■ 17.2595, 0.2871,  
0.3146

236.6632, 0.3019,  
0.3231

■ 10.4197, 0.2825,  
0.3119

285.6270, 0.3026,  
0.3234

■ 5.6781, 0.2759,  
0.3080

340.9174, 0.3032,

■ 2.6503, 0.2656,

0.3238

0.3017

402.9188, 0.3037,  
0.3241

■ 0.9520, 0.2474,  
0.2902

■ 0.0000, 0.0000,  
0.0000

■ 73.2889, 0.2968,  
0.3202

■ 73.2889, 0.2968,  
0.3202

■ 66.0252, 0.2813,  
0.3107

■ 81.2476, 0.3123,  
0.3288

■ 59.4234, 0.2659,  
0.3004

■ 89.7960, 0.3270,  
0.3364

■ 53.4607, 0.2511,  
0.2892

■ 94.4912, 0.3262,  
0.3439

■ 48.1097, 0.2372,  
0.2773

■ 98.6638, 0.3256,  
0.3503

■ 43.3402, 0.2246,  
0.2649

■ 39.1190, 0.2137,  
0.2521

■ 35.4082, 0.2047,  
0.2392

■ 32.1635, 0.1978,  
0.2264

■ 29.3886, 0.1928,  
0.2142

# Harmonies

## Analogous

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



73.2889, 0.2983, 0.3270



73.2889, 0.2968, 0.3202



73.2889, 0.2995, 0.3159

# Triad

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



73.2889, 0.2968, 0.3202



73.2889, 0.3218, 0.3236



73.2889, 0.3196, 0.3433

# Complementary

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



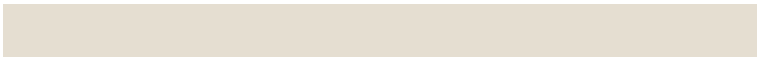
73.2889, 0.2968, 0.3202



71.5733, 0.3299, 0.3376

# 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.



73.2889, 0.3261, 0.3422



73.2889, 0.2968, 0.3202



73.2889, 0.3273, 0.3307

# Square

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



73.2889, 0.2968, 0.3202



73.2889, 0.3139, 0.3179



73.2889, 0.3289, 0.3375



73.2889, 0.3114, 0.3405



# Rectangle

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



73.2889, 0.2968, 0.3202



73.2889, 0.3033, 0.3149



73.2889, 0.3289, 0.3375



73.2889, 0.3221, 0.3434

# Sweetspot

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



73.2920, 0.2968, 0.3202



96.9585, 0.3081, 0.3265



76.8528, 0.3065, 0.3466



20.5820, 0.3068, 0.3258



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

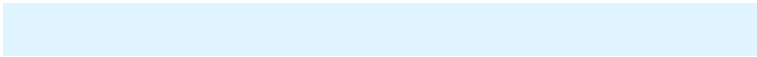


# Same Dimension

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



73.2920, 0.2968, 0.3202



88.3030, 0.2941, 0.3186



67.0412, 0.2966, 0.3069



16.2251, 0.2981, 0.3209



16.9113, 0.1934, 0.2161



1.5037, 0.1982, 0.2336



# Inverse Universe

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



68.3736, 0.3195, 0.3120



81.3657, 0.3208, 0.3090



77.9752, 0.3285, 0.3502



15.2233, 0.3189, 0.3134



11.2000, 0.4274, 0.2128

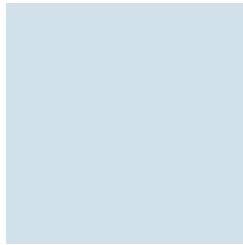


0.8972, 0.4089, 0.2026



# Previews

## White Background



This preview shows how the Yxy color 73.2889, 0.2968, 0.3202 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

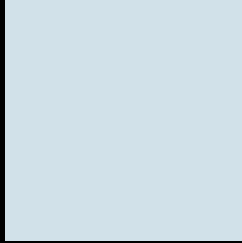
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.2889, 0.2968, 0.3202 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

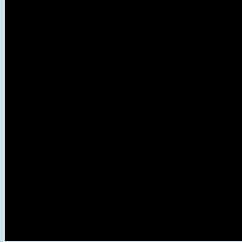
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

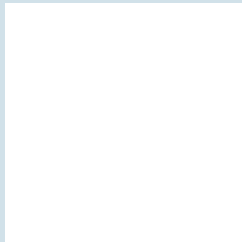
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.2889, 0.2968, 0.3202**

## Background



This preview shows how black text looks on a background with the Yxy color 73.2889, 0.2968, 0.3202.

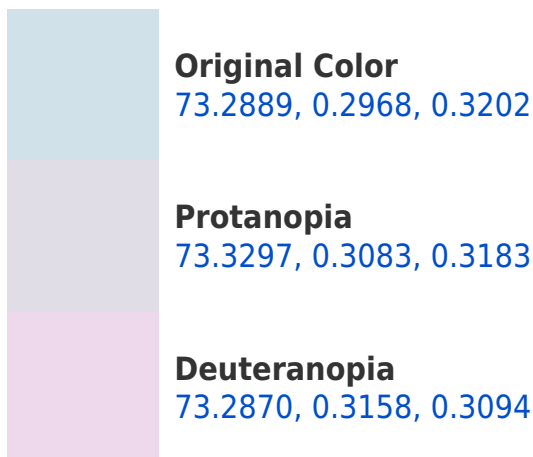


This preview shows how white text looks on a background with the Yxy color 73.2889, 0.2968, 0.3202.

# 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

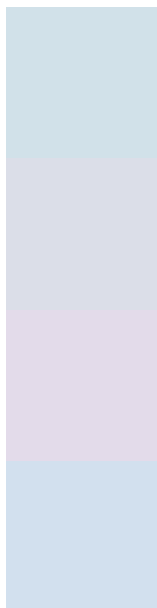




## Tritanopia

73.3638, 0.2926, 0.3106

# Trichromacy



## Original Color

73.2889, 0.2968, 0.3202

## Protanomaly

73.1288, 0.3042, 0.3182

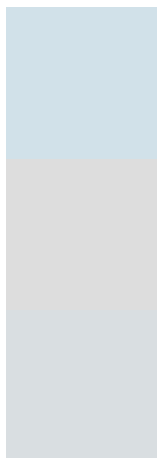
## Deuteranomaly

72.9344, 0.3085, 0.3131

## Tritanomaly

73.1860, 0.2944, 0.3138

# Monochromacy



## Original Color

73.2889, 0.2968, 0.3202

## Achromatopsia

72.3055, 0.3127, 0.3290

## Achromatomaly

72.4305, 0.3073, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.2889, 0.2968, 0.3202 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(209, 225, 233)` looks like.

```
.text, #text, p{  
    color:rgb(209, 225, 233)  
}
```

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(209, 225, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 225, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 73.2889, 0.2968, 0.3202 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(209, 225, 233) }
```

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

```
.border{ border-color:rgb(209, 225, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 225, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 225, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 225, 233);  
box-shadow:4px 4px 4px 4px rgb(209, 225,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.2889, 0.2968, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 225, 233) }
```

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

```
.background{ background-color: rgb(209,  
225, 233) }
```

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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