

# Converting Colors

$Y_{xy}(72.2090, 0.3035, 0.3240)$

Have a look what the booklet for  
Yxy(72.2090, 0.3035, 0.3240)  
contains.

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# Color

**Yxy(71.9347, 0.3032, 0.3235)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5DEE3
RGB	213, 222, 227
RGB Percent	84%, 87%, 89%
CMY	0.1648, 0.1294, 0.1098
CMYK	0.06, 0.02, 0.00, 0.11
HSL	201°, 20%, 86%
HSV	201°, 6%, 89%
XYZ	67.4207, 71.9347, 83.0084
YIQ	219.8790, -6.9690, -0.3530

# Conversions

## Conversions Part 2

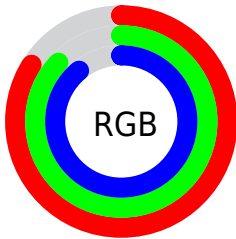
Format	Color
RYP	213, 218, 227
Decimal	14016227
CIELab	87.94, -2.09, -3.50
CIElCh	88, 4.078, 239.216
Yxy	71.9347, 0.3032, 0.3235
Android (android.graphics.Color)	4292206307 (0xFFD5DEE3)
YUV	219.8790, 3.5107, -6.0329
Hunter-Lab	84.8143, -6.5316, 1.3425

# Details

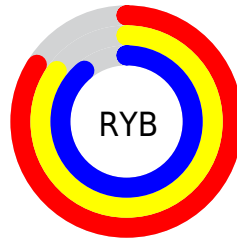
The Yxy color **71.9347, 0.3032, 0.3235** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2585, 0.3227, 0.3344**, and the grayscale version is **71.4591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.8851, 0.3004, 0.3218** is the 20% darker color. If you saturate the color by 10%, you get **64.5899, 0.2876, 0.3138**, and if you desaturate by 10%, it is **79.9662, 0.3185, 0.3322**.

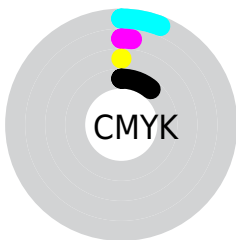
# Distribution



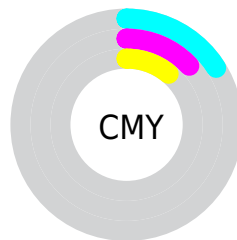
- Red (84%)
- Green (87%)
- Blue (89%)



- Red (84%)
- Yellow (85%)
- Blue (89%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (16%)
- Magenta (13%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9347, 0.3032, 0.3235 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 71.9347, 0.3032, 0.3235 by changing the saturation by 10% instead.



■ 71.9347, 0.3032,  
0.3235

■ 71.9347, 0.3032,  
0.3235

467.3143, 0.3076,  
0.3261

■ 53.1053, 0.3022,  
0.3229

121.9637, 0.3047,  
0.3244

■ 37.8869, 0.3009,  
0.3222

153.9321, 0.3053,  
0.3247

■ 25.8949, 0.2994,  
0.3212

191.0490, 0.3058,  
0.3250

■ 16.7450, 0.2973,  
0.3200

233.6987, 0.3063,  
0.3253

■ 10.0529, 0.2945,  
0.3183

282.2657, 0.3067,  
0.3255

■ 5.4340, 0.2904,  
0.3158

337.1344, 0.3070,

■ 2.5041, 0.2839,

0.3257

0.3118

398.6891, 0.3073,  
0.3259

0.8787, 0.2719,  
0.3046

0.0000, 0.0000,  
0.0000

71.9347, 0.3032,  
0.3235

71.9347, 0.3032,  
0.3235

64.5899, 0.2876,  
0.3138

79.9662, 0.3185,  
0.3322

57.9002, 0.2721,  
0.3032

88.0516, 0.3311,  
0.3401

51.8447, 0.2569,  
0.2916

92.8644, 0.3301,  
0.3479

46.3979, 0.2423,  
0.2792

97.8910, 0.3292,  
0.3555

■ 41.5319, 0.2289,  
0.2661

■ 98.3264, 0.3292,  
0.3562

■ 37.2165, 0.2169,  
0.2526

■ 33.4175, 0.2067,  
0.2388

■ 30.0956, 0.1986,  
0.2250

■ 27.2024, 0.1926,  
0.2115

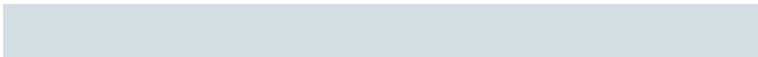
# Harmonies

## Analogous

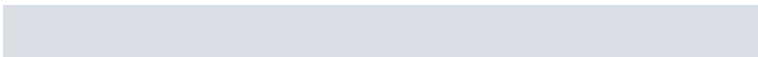
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9347, 0.3039, 0.3275



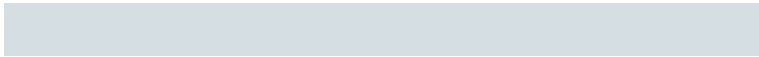
71.9347, 0.3032, 0.3235



71.9347, 0.3050, 0.3210

# Triad

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



71.9347, 0.3032, 0.3235



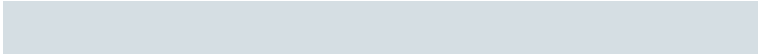
71.9347, 0.3185, 0.3261



71.9347, 0.3165, 0.3375

# Complementary

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



71.9347, 0.3032, 0.3235



71.2585, 0.3227, 0.3344

# 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.



71.9347, 0.3205, 0.3370



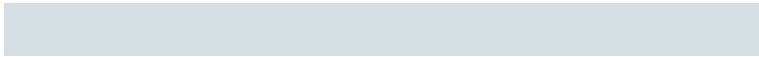
71.9347, 0.3032, 0.3235



71.9347, 0.3216, 0.3304

# Square

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



71.9347, 0.3032, 0.3235



71.9347, 0.3138, 0.3226



71.9347, 0.3223, 0.3344



71.9347, 0.3116, 0.3356

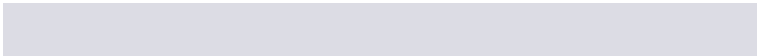


# Rectangle

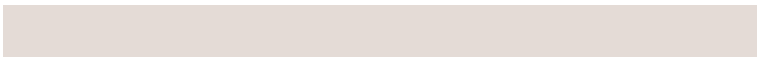
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



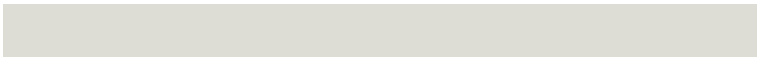
71.9347, 0.3032, 0.3235



71.9347, 0.3074, 0.3206



71.9347, 0.3223, 0.3344



71.9347, 0.3180, 0.3376

# Sweetspot

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



71.9377, 0.3032, 0.3235



97.8934, 0.3096, 0.3273



74.1395, 0.3089, 0.3390



20.9754, 0.3098, 0.3273



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

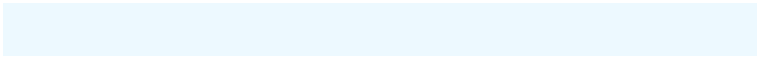


# Same Dimension

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



71.9377, 0.3032, 0.3235



92.7855, 0.3019, 0.3227



68.3274, 0.3033, 0.3158



15.7448, 0.3011, 0.3222



15.4957, 0.1912, 0.2085



1.3188, 0.1967, 0.2281



# Inverse Universe

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



69.1800, 0.3168, 0.3193



88.7330, 0.3174, 0.3179



74.9318, 0.3220, 0.3419



15.0060, 0.3178, 0.3170



10.7620, 0.4358, 0.2175

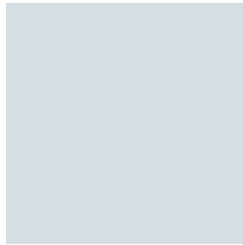


0.8128, 0.4147, 0.2058



# Previews

## White Background



This preview shows how the Yxy color 71.9347, 0.3032, 0.3235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

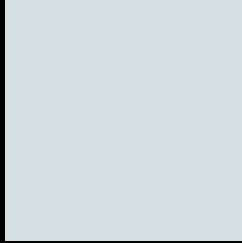
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9347, 0.3032, 0.3235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

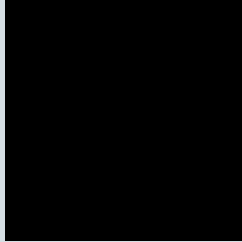
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

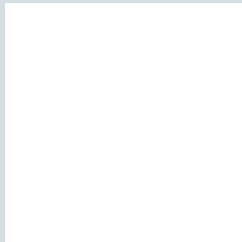
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.9347, 0.3032, 0.3235**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.9347, 0.3032, 0.3235.

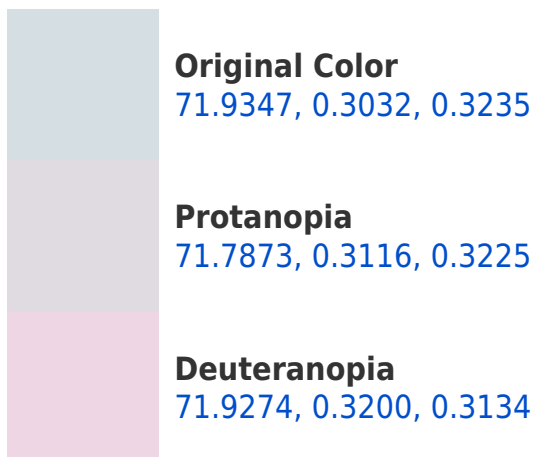


This preview shows how white text looks on a background with the Yxy color 71.9347, 0.3032, 0.3235.

# 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

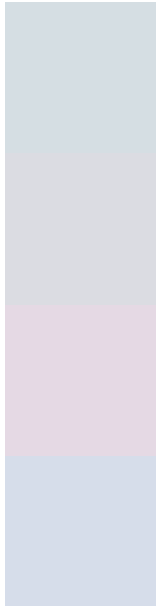




## Tritanopia

71.8065, 0.2977, 0.3096

# Trichromacy



## Original Color

71.9347, 0.3032, 0.3235

## Protanomaly

71.7375, 0.3081, 0.3225

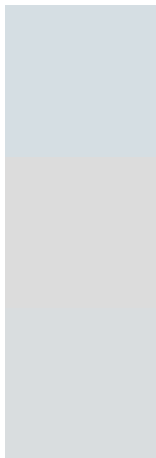
## Deuteranomaly

71.8852, 0.3140, 0.3173

## Tritanomaly

71.9496, 0.2995, 0.3149

# Monochromacy



## Original Color

71.9347, 0.3032, 0.3235

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.7923, 0.3086, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9347, 0.3032, 0.3235 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(213, 222, 227)` looks like.

```
.text, #text, p{  
    color:rgb(213, 222, 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(213, 222, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 222, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9347, 0.3032, 0.3235 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(213, 222, 227) }
```

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

```
.border{ border-color:rgb(213, 222, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 222, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 222, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 222, 227);  
box-shadow:4px 4px 4px 4px rgb(213, 222,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9347, 0.3032, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 222, 227) }
```

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

```
.background{ background-color: rgb(213,  
222, 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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