

# Converting Colors

$Yxy(70.0511, 0.3031, 0.3205)$

Have a look what the booklet for  
Yxy(70.0511, 0.3031, 0.3205)  
contains.

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# Color

**Yxy(70.1511, 0.3032, 0.3213)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D4DBE2
RGB	212, 219, 226
RGB Percent	83%, 86%, 89%
CMY	0.1688, 0.1411, 0.1138
CMYK	0.06, 0.03, 0.00, 0.11
HSL	210°, 19%, 86%
HSV	210°, 6%, 89%
XYZ	66.1992, 70.1511, 81.9849
YIQ	217.7050, -6.4190, 0.6930

# Conversions

## Conversions Part 2

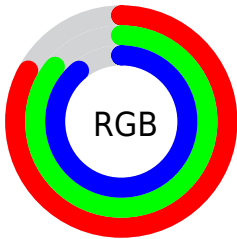
Format	Color
R <sub>Y</sub> B	212, 217, 226
Decimal	13949922
CIE Lab	87.07, -1.06, -4.24
CIE LCh	87, 4.374, 255.939
Yxy	70.1511, 0.3032, 0.3213
Android (android.graphics.Color)	4292140002 (0xFFD4DBE2)
YUV	217.7050, 4.0894, -5.0033
Hunter-Lab	83.7563, -5.4907, 0.5933

# Details

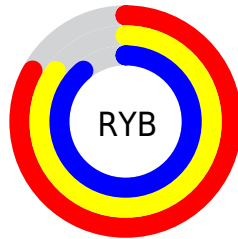
The Yxy color **70.1511, 0.3032, 0.3213** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.5378, 0.3225, 0.3366**, and the grayscale version is **69.8692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.6593, 0.3003, 0.3188** is the 20% darker color. If you saturate the color by 10%, you get **61.3694, 0.2873, 0.3077**, and if you desaturate by 10%, it is **79.8033, 0.3184, 0.3334**.

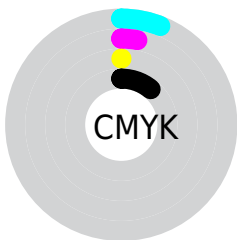
# Distribution



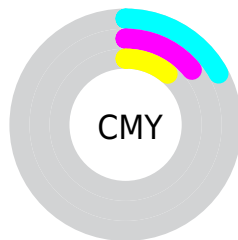
- Red (83%)
- Green (86%)
- Blue (89%)



- Red (83%)
- Yellow (85%)
- Blue (89%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (11%)



- Cyan (17%)
- Magenta (14%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1511, 0.3032, 0.3213 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 70.1511, 0.3032, 0.3213 by changing the saturation by 10% instead.



■ 70.1511, 0.3032,  
0.3213

■ 70.1511, 0.3032,  
0.3213

461.0804, 0.3076,  
0.3249

■ 51.6497, 0.3022,  
0.3205

119.4242, 0.3047,  
0.3226

■ 36.7260, 0.3009,  
0.3194

150.9647, 0.3053,  
0.3230

■ 24.9954, 0.2993,  
0.3181

187.6204, 0.3059,  
0.3235

■ 16.0736, 0.2972,  
0.3164

229.7757, 0.3063,  
0.3238

■ 9.5763, 0.2943,  
0.3140

277.8149, 0.3067,  
0.3241

■ 5.1189, 0.2901,  
0.3105

332.1225, 0.3070,

■ 2.3172, 0.2834,

0.3244

0.3049

393.0829, 0.3074,  
0.3247

0.7828, 0.2698,  
0.2941

0.0000, 0.0000,  
0.0000

70.1511, 0.3032,  
0.3213

70.1511, 0.3032,  
0.3213

61.3694, 0.2873,  
0.3077

79.8033, 0.3184,  
0.3334

53.4222, 0.2711,  
0.2927

89.9312, 0.3314,  
0.3443

46.2837, 0.2547,  
0.2762

96.7960, 0.3300,  
0.3550

39.9233, 0.2386,  
0.2584

98.2697, 0.3298,  
0.3572

■ 34.3081, 0.2232,  
0.2397

■ 29.4023, 0.2092,  
0.2203

■ 25.1662, 0.1969,  
0.2008

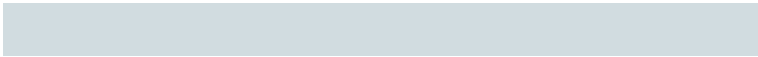
■ 21.5545, 0.1869,  
0.1816

■ 18.5130, 0.1794,  
0.1634

# Harmonies

## Analogous

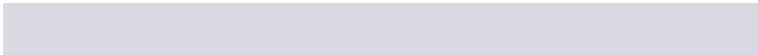
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.1511, 0.3024, 0.3248



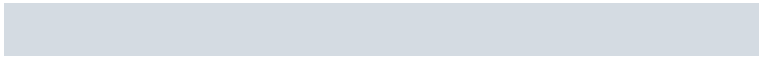
70.1511, 0.3032, 0.3213



70.1511, 0.3065, 0.3199

# Triad

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



70.1511, 0.3032, 0.3213



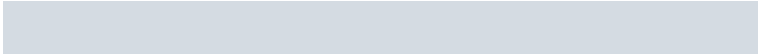
70.1511, 0.3211, 0.3284



70.1511, 0.3139, 0.3373

# Complementary

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



70.1511, 0.3032, 0.3213



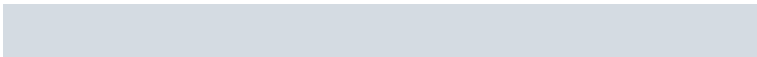
71.5378, 0.3225, 0.3366

# 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.



70.1511, 0.3189, 0.3383



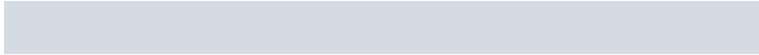
70.1511, 0.3032, 0.3213



70.1511, 0.3231, 0.3331

# Square

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



70.1511, 0.3032, 0.3213



70.1511, 0.3169, 0.3240



70.1511, 0.3223, 0.3367

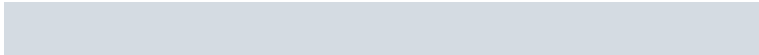


70.1511, 0.3086, 0.3341



# Rectangle

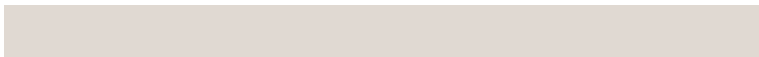
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1511, 0.3032, 0.3213



70.1511, 0.3097, 0.3203



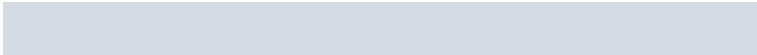
70.1511, 0.3223, 0.3367



70.1511, 0.3157, 0.3379

# Sweetspot

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



70.1541, 0.3032, 0.3213



97.4406, 0.3097, 0.3266



73.4719, 0.3077, 0.3370



20.8832, 0.3098, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

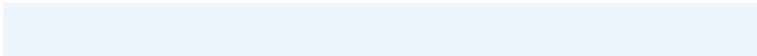


# Same Dimension

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



70.1541, 0.3032, 0.3213



91.2459, 0.3019, 0.3202



66.6663, 0.3033, 0.3137



14.7423, 0.3011, 0.3196



10.2103, 0.1777, 0.1595



0.8868, 0.1854, 0.1873



# Inverse Universe

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



68.3486, 0.3182, 0.3214



88.5776, 0.3190, 0.3203



75.1694, 0.3219, 0.3439



14.2803, 0.3195, 0.3197



9.9388, 0.4937, 0.2493

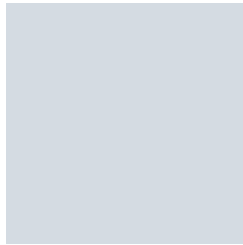


0.7070, 0.4599, 0.2307



# Previews

## White Background



This preview shows how the Yxy color 70.1511, 0.3032, 0.3213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

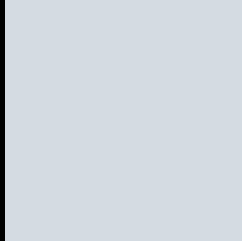
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.1511, 0.3032, 0.3213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

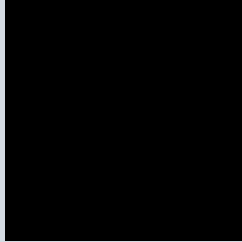
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

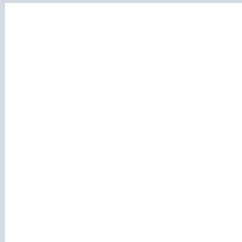
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.1511, 0.3032, 0.3213**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.1511, 0.3032, 0.3213.

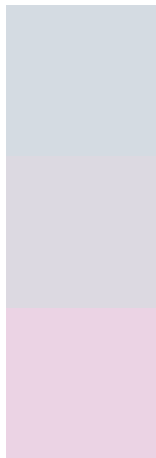


This preview shows how white text looks on a background with the Yxy color 70.1511, 0.3032, 0.3213.

# 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



### Original Color

70.1511, 0.3032, 0.3213

### Protanopia

70.2776, 0.3095, 0.3203

### Deuteranopia

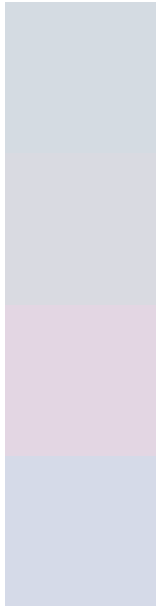
69.8521, 0.3187, 0.3111



## Tritanopia

70.2871, 0.2982, 0.3105

# Trichromacy



## Original Color

70.1511, 0.3032, 0.3213

## Protanomaly

70.3308, 0.3074, 0.3213

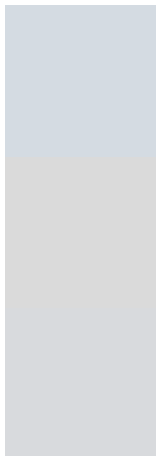
## Deuteranomaly

69.9701, 0.3134, 0.3151

## Tritanomaly

70.1151, 0.3001, 0.3137

# Monochromacy



## Original Color

70.1511, 0.3032, 0.3213

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.9622, 0.3093, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.1511, 0.3032, 0.3213 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(212, 219, 226)` looks like.

```
.text, #text, p{  
    color:rgb(212, 219, 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(212, 219, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 219, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 70.1511, 0.3032, 0.3213 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(212, 219, 226) }
```

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

```
.border{ border-color:rgb(212, 219, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 219, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 219, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 219, 226); box-shadow:4px 4px 4px 4px rgb(212, 219, 226) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.1511, 0.3032, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 219, 226) }
```

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

```
.background{ background-color: rgb(212,  
219, 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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