

# Converting Colors

$Y_{xy}(71.5221, 0.3034, 0.3204)$

Have a look what the booklet for  
Yxy(71.5221, 0.3034, 0.3204)  
contains.

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# Color

**Yxy(71.7614, 0.3040, 0.3213)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D7DDE4
RGB	215, 221, 228
RGB Percent	84%, 87%, 89%
CMY	0.1567, 0.1334, 0.1058
CMYK	0.06, 0.03, 0.00, 0.11
HSL	213°, 19%, 87%
HSV	213°, 6%, 89%
XYZ	67.8975, 71.7614, 83.6881
YIQ	220.0040, -5.8230, 0.9050

# Conversions

## Conversions Part 2

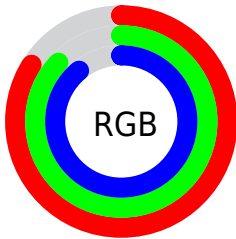
Format	Color
R <sub>Y</sub> B	215, 219, 228
Decimal	14147044
CIE Lab	87.85, -0.68, -4.14
CIE LCh	88, 4.200, 260.706
Yxy	71.7614, 0.3040, 0.3213
Android (android.graphics.Color)	4292337124 (0xFFD7DDE4)
YUV	220.0040, 3.9420, -4.3885
Hunter-Lab	84.7121, -5.1769, 0.7251

# Details

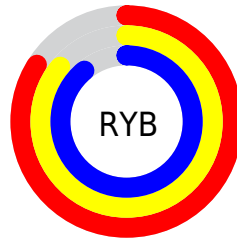
The Yxy color **71.7614, 0.3040, 0.3213** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.6950, 0.3216, 0.3366**, and the grayscale version is **71.5555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.7631, 0.3014, 0.3190** is the 20% darker color. If you saturate the color by 10%, you get **62.2580, 0.2881, 0.3065**, and if you desaturate by 10%, it is **82.2330, 0.3191, 0.3345**.

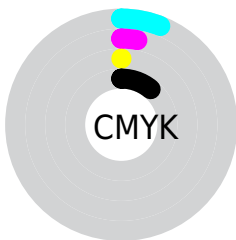
# Distribution



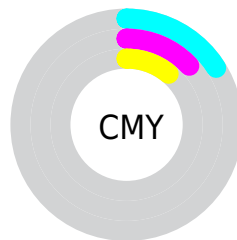
- Red (84%)
- Green (87%)
- Blue (89%)



- Red (84%)
- Yellow (86%)
- Blue (89%)



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



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7614, 0.3040, 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 71.7614, 0.3040, 0.3213 by changing the saturation by 10% instead.



■ 71.7614, 0.3040,  
0.3213

■ 71.7614, 0.3040,  
0.3213

466.7107, 0.3080,  
0.3249

■ 52.9638, 0.3031,  
0.3205

121.7172, 0.3054,  
0.3225

■ 37.7739, 0.3019,  
0.3195

153.6443, 0.3060,  
0.3230

■ 25.8072, 0.3005,  
0.3182

190.7166, 0.3064,  
0.3234

■ 16.6795, 0.2986,  
0.3165

233.3185, 0.3068,  
0.3238

■ 10.0062, 0.2960,  
0.3141

281.8345, 0.3072,  
0.3241

■ 5.4031, 0.2922,  
0.3107

336.6489, 0.3075,

■ 2.4857, 0.2862,

0.3244

0.3054

398.1462, 0.3078,  
0.3247

0.8694, 0.2753,  
0.2955

0.0000, 0.0000,  
0.0000

71.7614, 0.3040,  
0.3213

71.7614, 0.3040,  
0.3213

62.2580, 0.2881,  
0.3065

82.2330, 0.3191,  
0.3345

53.6835, 0.2716,  
0.2901

92.6038, 0.3296,  
0.3464

46.0093, 0.2548,  
0.2720

98.3828, 0.3285,  
0.3552

39.2014, 0.2381,  
0.2526

■ 33.2237, 0.2221,  
0.2320

■ 28.0367, 0.2073,  
0.2108

■ 23.5970, 0.1943,  
0.1896

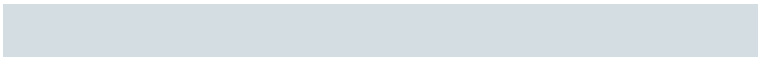
■ 19.8553, 0.1837,  
0.1689

■ 16.7536, 0.1756,  
0.1495

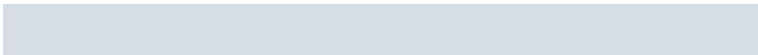
# Harmonies

## Analogous

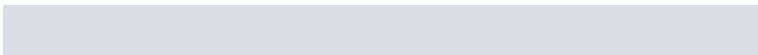
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7614, 0.3028, 0.3244



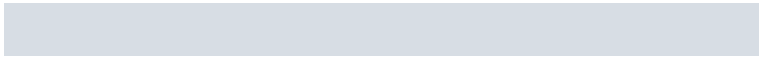
71.7614, 0.3040, 0.3213



71.7614, 0.3075, 0.3203

# Triad

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



71.7614, 0.3040, 0.3213



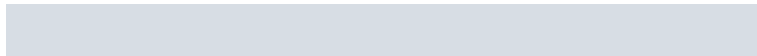
71.7614, 0.3212, 0.3292



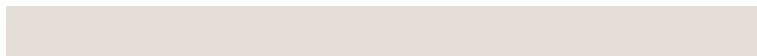
71.7614, 0.3130, 0.3366

# Complementary

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



71.7614, 0.3040, 0.3213



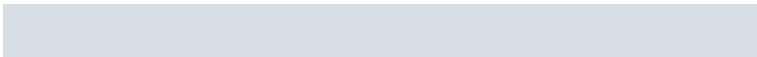
73.6950, 0.3216, 0.3366

# Split Complementary

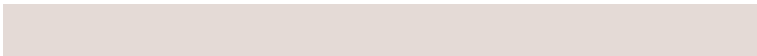
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7614, 0.3179, 0.3379



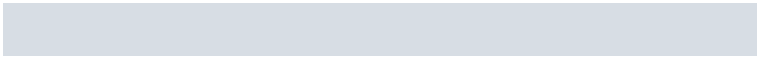
71.7614, 0.3040, 0.3213



71.7614, 0.3227, 0.3335

# Square

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



71.7614, 0.3040, 0.3213



71.7614, 0.3174, 0.3248



71.7614, 0.3215, 0.3367

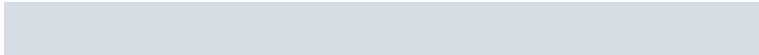


71.7614, 0.3080, 0.3332

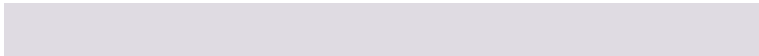


# Rectangle

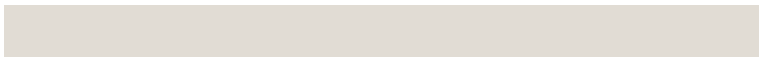
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.7614, 0.3040, 0.3213



71.7614, 0.3107, 0.3209



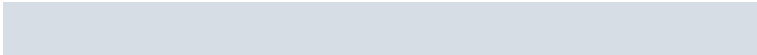
71.7614, 0.3215, 0.3367



71.7614, 0.3147, 0.3373

# Sweetspot

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



71.7644, 0.3040, 0.3213



97.2936, 0.3097, 0.3263



75.2272, 0.3077, 0.3356



20.8533, 0.3098, 0.3265



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

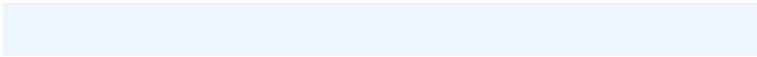


# Same Dimension

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



71.7644, 0.3040, 0.3213



90.7491, 0.3019, 0.3194



68.7496, 0.3044, 0.3148



15.3726, 0.3011, 0.3186



9.2243, 0.1735, 0.1444



0.8655, 0.1812, 0.1722



# Inverse Universe

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



70.3443, 0.3181, 0.3226



88.5274, 0.3195, 0.3211



76.8364, 0.3208, 0.3429



14.9684, 0.3201, 0.3205



10.1289, 0.5133, 0.2601

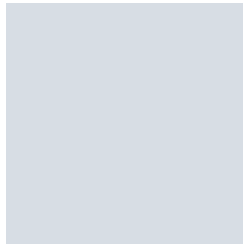


0.7671, 0.4780, 0.2407



# Previews

## White Background



This preview shows how the Yxy color 71.7614, 0.3040, 0.3213 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

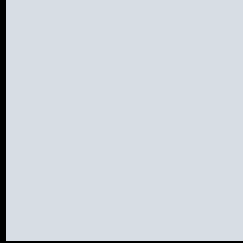
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7614, 0.3040, 0.3213 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

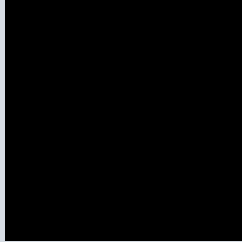
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

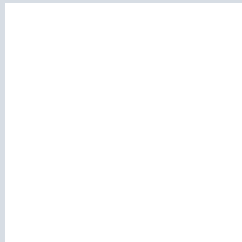
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.7614, 0.3040, 0.3213**

## Background



This preview shows how black text looks on a background with the Yxy color 71.7614, 0.3040, 0.3213.

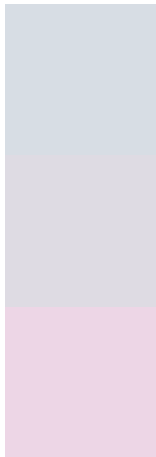


This preview shows how white text looks on a background with the Yxy color 71.7614, 0.3040, 0.3213.

# 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

71.7614, 0.3040, 0.3213

### Protanopia

71.7387, 0.3096, 0.3204

### Deuteranopia

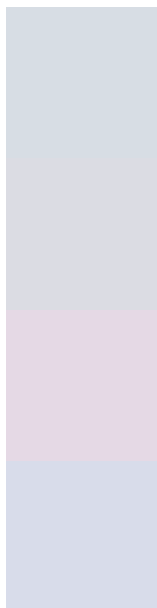
71.8108, 0.3186, 0.3123



## Tritanopia

72.0525, 0.2997, 0.3107

# Trichromacy



## Original Color

71.7614, 0.3040, 0.3213

## Protanomaly

71.7925, 0.3074, 0.3214

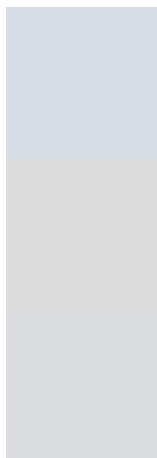
## Deuteranomaly

71.9409, 0.3133, 0.3163

## Tritanomaly

71.7258, 0.3009, 0.3138

# Monochromacy



## Original Color

71.7614, 0.3040, 0.3213

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

71.4195, 0.3093, 0.3257

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7614, 0.3040, 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(215, 221, 228)` looks like.

```
.text, #text, p{  
    color:rgb(215, 221, 228)  
}
```

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(215, 221, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 221, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7614, 0.3040, 0.3213 is called "border". The border property can be set on classes, ids or directly on the HTML element.

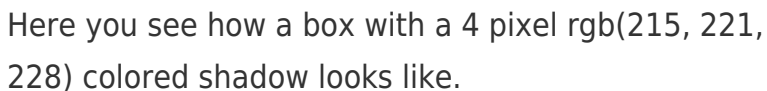
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 221, 228) }
```

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

```
.border{ border-color:rgb(215, 221, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 221, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 221, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 221, 228); box-shadow:4px 4px 4px 4px rgb(215, 221, 228) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7614, 0.3040, 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(215, 221, 228) }
```

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

```
.background{ background-color: rgb(215,  
221, 228) }
```

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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