

Converting Colors

$Y_{xy}(70.5739, 0.3035, 0.3215)$

Have a look what the booklet for
Yxy(70.5739, 0.3035, 0.3215)
contains.

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Color

Yxy(70.8235, 0.3039, 0.3224)

Conversions

Conversions Part 1

Format	Color
Hex	D5DCE2
RGB	213, 220, 226
RGB Percent	84%, 86%, 89%
CMY	0.1647, 0.1372, 0.1138
CMYK	0.06, 0.03, 0.00, 0.11
HSL	208°, 18%, 86%
HSV	208°, 6%, 89%
XYZ	66.7595, 70.8235, 82.0929
YIQ	218.5910, -6.0980, 0.3820

Conversions

Conversions Part 2

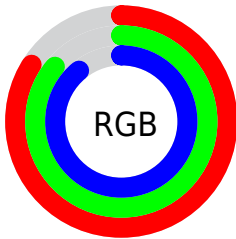
Format	Color
R _Y B	213, 218, 226
Decimal	14015714
CIE Lab	87.40, -1.23, -3.76
CIE LCh	87, 3.953, 251.860
Yxy	70.8235, 0.3039, 0.3224
Android (android.graphics.Color)	4292205794 (0xFFD5DCE2)
YUV	218.5910, 3.6526, -4.9033
Hunter-Lab	84.1567, -5.6744, 1.0737

Details

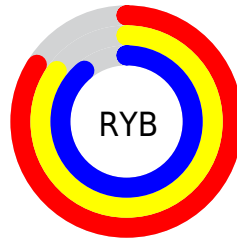
The Yxy color **70.8235, 0.3039, 0.3224** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.6242, 0.3218, 0.3355**, and the grayscale version is **70.5191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1196, 0.3012, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **62.3850, 0.2881, 0.3099**, and if you desaturate by 10%, it is **80.0790, 0.3191, 0.3336**.

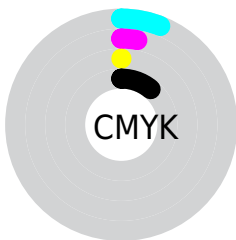
Distribution



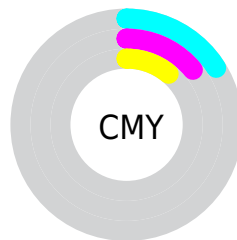
- Red (84%)
- Green (86%)
- Blue (89%)



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



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



- Cyan (16%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8235, 0.3039, 0.3224 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 70.8235, 0.3039, 0.3224 by changing the saturation by 10% instead.

■ 70.8235, 0.3039,
0.3224

■ 70.8235, 0.3039,
0.3224

463.4362, 0.3080,
0.3255

■ 52.1982, 0.3030,
0.3217

120.3824, 0.3053,
0.3235

■ 37.1631, 0.3018,
0.3208

152.0847, 0.3059,
0.3239

■ 25.3338, 0.3003,
0.3197

188.9148, 0.3064,
0.3243

■ 16.3259, 0.2984,
0.3182

231.2572, 0.3068,
0.3246

■ 9.7551, 0.2957,
0.3162

279.4961, 0.3071,
0.3248

■ 5.2369, 0.2918,
0.3132

334.0159, 0.3075,

■ 2.3869, 0.2857,

0.3251

0.3084

395.2012, 0.3077,
0.3253

■ 0.8191, 0.2737,
0.2995

■ 0.0000, 0.0000,
0.0000

■ 70.8235, 0.3039,
0.3224

■ 70.8235, 0.3039,
0.3224

■ 62.3850, 0.2881,
0.3099

■ 80.0790, 0.3191,
0.3336

■ 54.7290, 0.2721,
0.2960

■ 89.5550, 0.3314,
0.3437

■ 47.8315, 0.2560,
0.2809

■ 95.8874, 0.3302,
0.3536

■ 41.6636, 0.2402,
0.2646

■ 98.2703, 0.3298,
0.3572

■ 36.1945, 0.2253,
0.2473

■ 31.3902, 0.2117,
0.2294

■ 27.2132, 0.1999,
0.2113

■ 23.6208, 0.1903,
0.1934

■ 20.5616, 0.1830,
0.1762

Harmonies

Analogous

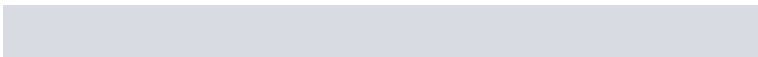
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8235, 0.3035, 0.3258



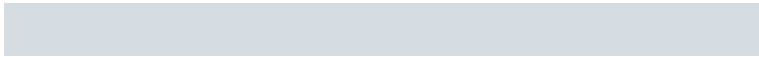
70.8235, 0.3039, 0.3224



70.8235, 0.3066, 0.3208

Triad

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



70.8235, 0.3039, 0.3224



70.8235, 0.3199, 0.3279



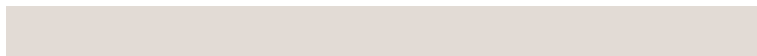
70.8235, 0.3144, 0.3368

Complementary

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



70.8235, 0.3039, 0.3224



71.6242, 0.3218, 0.3355

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.



70.8235, 0.3188, 0.3373



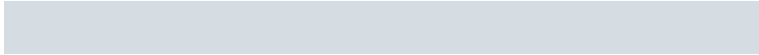
70.8235, 0.3039, 0.3224



70.8235, 0.3220, 0.3322

Square

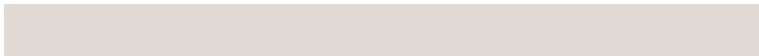
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.8235, 0.3039, 0.3224



70.8235, 0.3158, 0.3240



70.8235, 0.3216, 0.3356



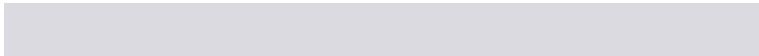
70.8235, 0.3096, 0.3341

Rectangle

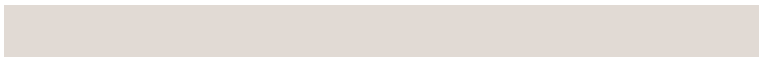
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.8235, 0.3039, 0.3224



70.8235, 0.3094, 0.3210



70.8235, 0.3216, 0.3356



70.8235, 0.3160, 0.3372

Sweetspot

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



70.8265, 0.3039, 0.3224



97.5561, 0.3097, 0.3267



73.6383, 0.3083, 0.3368



20.9067, 0.3098, 0.3269



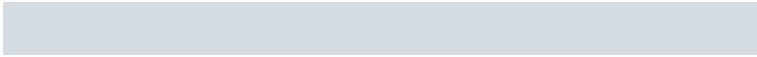
0.0000, 0.0000, 0.0000



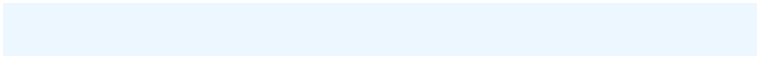
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8265, 0.3039, 0.3224



91.6372, 0.3019, 0.3209



67.5529, 0.3040, 0.3153



14.8103, 0.3011, 0.3202



11.3028, 0.1810, 0.1717



0.9620, 0.1883, 0.1979

Inverse Universe

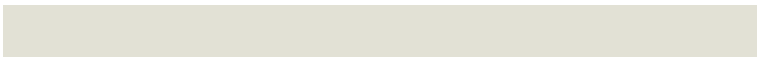
The Inverse Universe completely reimagines the original color for something new.



68.9233, 0.3175, 0.3214



88.6171, 0.3186, 0.3197



75.0041, 0.3212, 0.3423



14.2871, 0.3191, 0.3190



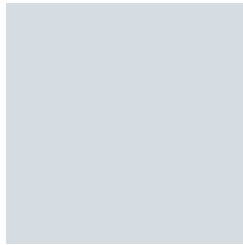
10.0491, 0.4785, 0.2410



0.7146, 0.4476, 0.2239

Previews

White Background



This preview shows how the Yxy color 70.8235, 0.3039, 0.3224 looks on a white background.

Color Contrast Check

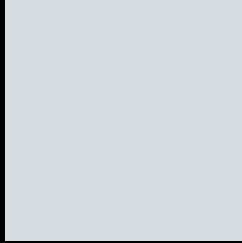
Large Text (above 18pt) WCAG AA × Fail

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 70.8235, 0.3039, 0.3224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

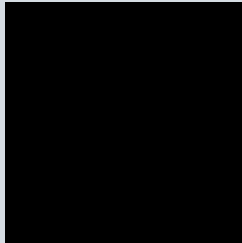
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

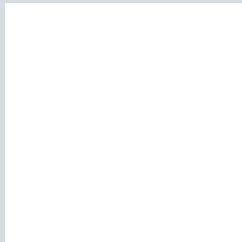
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8235, 0.3039, 0.3224

Background



This preview shows how black text looks on a background with the Yxy color 70.8235, 0.3039, 0.3224.

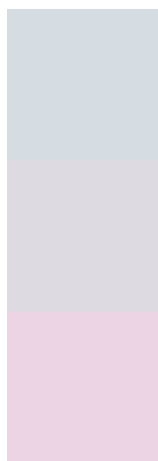


This preview shows how white text looks on a background with the Yxy color 70.8235, 0.3039, 0.3224.

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

70.8235, 0.3039, 0.3224

Protanopia

70.9512, 0.3102, 0.3214

Deuteranopia

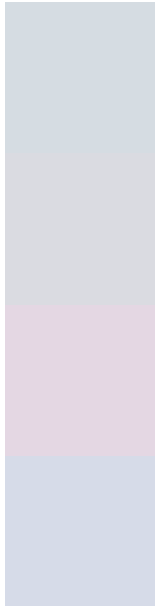
70.5213, 0.3194, 0.3122



Tritanopia

70.6460, 0.2989, 0.3095

Trichromacy



Original Color

70.8235, 0.3039, 0.3224

Protanomaly

71.0047, 0.3081, 0.3224

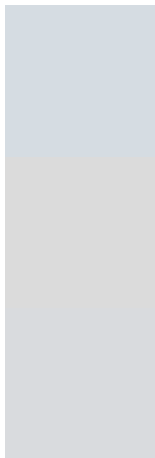
Deuteranomaly

70.6409, 0.3140, 0.3162

Tritanomaly

70.7854, 0.3008, 0.3148

Monochromacy



Original Color

70.8235, 0.3039, 0.3224

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

70.6887, 0.3093, 0.3257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8235, 0.3039, 0.3224 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, 220, 226) looks like.

```
.text, #text, p{  
    color:rgb(213, 220, 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(213, 220, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 220, 226) }
```

Border

The CSS property to change the border of an element to Yxy 70.8235, 0.3039, 0.3224 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, 220, 226) }
```

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

```
.border{ border-color:rgb(213, 220, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 220, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 220, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 220, 226); box-shadow:4px 4px 4px 4px rgb(213, 220, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8235, 0.3039, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 220, 226) }
```

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

```
.background{ background-color: rgb(213,  
220, 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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