

Converting Colors

$Yxy(70.7758, 0.3028, 0.3198)$

Have a look what the booklet for
Yxy(70.7758, 0.3028, 0.3198)
contains.

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Color

Yxy(70.9340, 0.3026, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	D5DCE4
RGB	213, 220, 228
RGB Percent	84%, 86%, 89%
CMY	0.1648, 0.1372, 0.1059
CMYK	0.07, 0.04, 0.00, 0.11
HSL	212°, 22%, 86%
HSV	212°, 7%, 89%
XYZ	67.0351, 70.9340, 83.5612
YIQ	218.8190, -6.7400, 1.0040

Conversions

Conversions Part 2

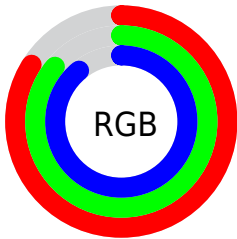
Format	Color
R _{YB}	213, 218, 228
Decimal	14015716
CIE Lab	87.45, -0.85, -4.74
CIE LCh	87, 4.819, 259.819
Yxy	70.9340, 0.3026, 0.3202
Android (android.graphics.Color)	4292205796 (0xFFD5DCE4)
YUV	218.8190, 4.5262, -5.1033
Hunter-Lab	84.2223, -5.3156, 0.1310

Details

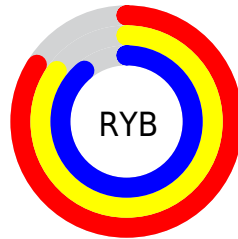
The Yxy color **70.9340, 0.3026, 0.3202** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.0045, 0.3231, 0.3376**, and the grayscale version is **70.6788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **37.1965, 0.2996, 0.3175** is the 20% darker color. If you saturate the color by 10%, you get **61.6193, 0.2866, 0.3055**, and if you desaturate by 10%, it is **81.1971, 0.3178, 0.3333**.

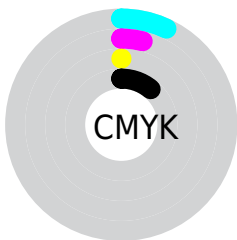
Distribution



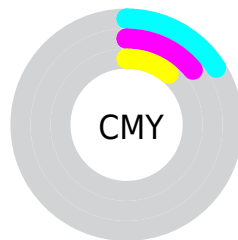
- Red (84%)
- Green (86%)
- Blue (89%)



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



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9340, 0.3026, 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 70.9340, 0.3026, 0.3202 by changing the saturation by 10% instead.

■ 70.9340, 0.3026,
0.3202

■ 70.9340, 0.3026,
0.3202

463.8227, 0.3073,
0.3243

■ 52.2883, 0.3015,
0.3193

120.5397, 0.3042,
0.3216

■ 37.2350, 0.3002,
0.3181

152.2686, 0.3049,
0.3222

■ 25.3895, 0.2985,
0.3166

189.1273, 0.3054,
0.3227

■ 16.3675, 0.2963,
0.3146

231.5003, 0.3059,
0.3231

■ 9.7845, 0.2932,
0.3119

279.7720, 0.3063,
0.3234

■ 5.2563, 0.2888,
0.3080

334.3266, 0.3067,

■ 2.3984, 0.2818,

0.3238

0.3018

395.5487, 0.3070,
0.3240

0.8251, 0.2685,
0.2902

0.0000, 0.0000,
0.0000

70.9340, 0.3026,
0.3202

70.9340, 0.3026,
0.3202

61.6193, 0.2866,
0.3055

81.1971, 0.3178,
0.3333

53.2142, 0.2702,
0.2893

91.7405, 0.3297,
0.3450

45.6905, 0.2534,
0.2714

98.3818, 0.3286,
0.3552

39.0147, 0.2369,
0.2523

■ 33.1509, 0.2211,
0.2320

■ 28.0601, 0.2066,
0.2112

■ 23.6991, 0.1939,
0.1903

■ 20.0190, 0.1836,
0.1700

■ 16.9602, 0.1758,
0.1510

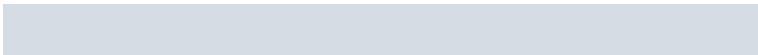
Harmonies

Analogous

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



70.9340, 0.3014, 0.3238



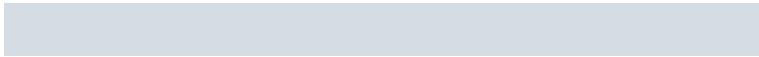
70.9340, 0.3026, 0.3202



70.9340, 0.3065, 0.3190

Triad

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



70.9340, 0.3026, 0.3202



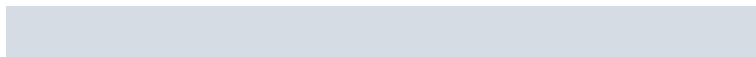
70.9340, 0.3224, 0.3291



70.9340, 0.3132, 0.3378

Complementary

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



70.9340, 0.3026, 0.3202



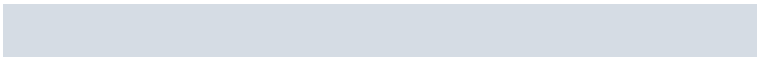
73.0045, 0.3231, 0.3376

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.



70.9340, 0.3189, 0.3392



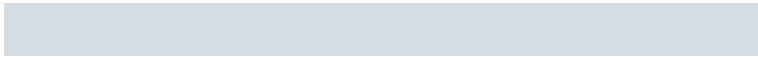
70.9340, 0.3026, 0.3202



70.9340, 0.3242, 0.3341

Square

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



70.9340, 0.3026, 0.3202



70.9340, 0.3180, 0.3241



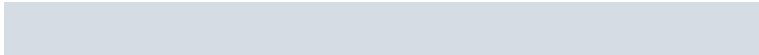
70.9340, 0.3229, 0.3378



70.9340, 0.3075, 0.3340

Rectangle

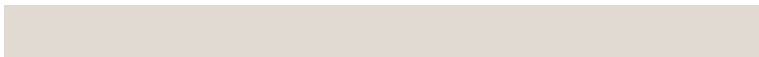
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9340, 0.3026, 0.3202



70.9340, 0.3102, 0.3197



70.9340, 0.3229, 0.3378



70.9340, 0.3152, 0.3386

Sweetspot

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



70.9370, 0.3026, 0.3202



97.3248, 0.3097, 0.3264



74.8420, 0.3070, 0.3369



20.8596, 0.3098, 0.3265



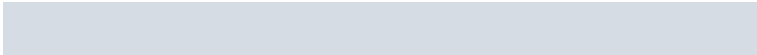
0.0000, 0.0000, 0.0000



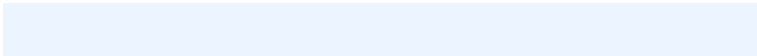
21.4041, 0.3127, 0.3290

Same Dimension

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



70.9370, 0.3026, 0.3202



89.5971, 0.3003, 0.3182



67.3662, 0.3029, 0.3124



14.9923, 0.2981, 0.3162



9.4879, 0.1743, 0.1475



0.8857, 0.1820, 0.1750

Inverse Universe

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



69.2455, 0.3190, 0.3215



86.9878, 0.3205, 0.3197



76.7483, 0.3223, 0.3451



14.4796, 0.3219, 0.3181



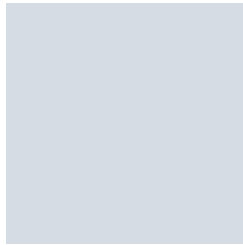
10.1555, 0.5092, 0.2579



0.7691, 0.4746, 0.2388

Previews

White Background



This preview shows how the Yxy color 70.9340, 0.3026, 0.3202 looks on a white background.

Color Contrast Check

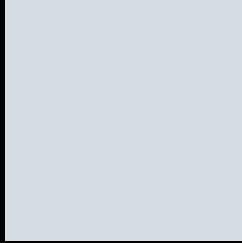
Large Text (above 18pt) WCAG AA × Fail

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 70.9340, 0.3026, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

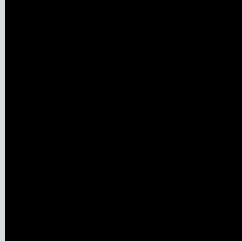
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

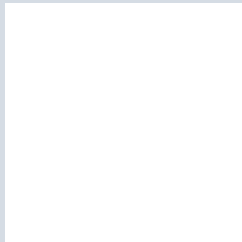
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.9340, 0.3026, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 70.9340, 0.3026, 0.3202.

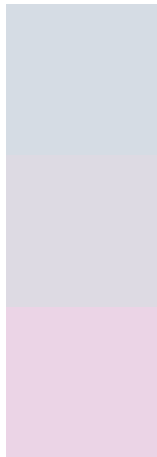


This preview shows how white text looks on a background with the Yxy color 70.9340, 0.3026, 0.3202.

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



Original Color

70.9340, 0.3026, 0.3202

Protanopia

71.0610, 0.3089, 0.3193

Deuteranopia

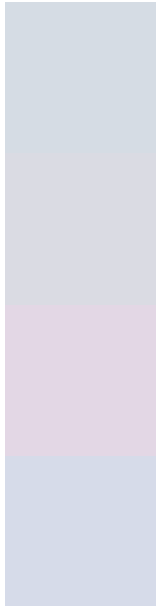
70.4623, 0.3173, 0.3101



Tritanopia

71.0153, 0.2982, 0.3105

Trichromacy



Original Color

70.9340, 0.3026, 0.3202

Protanomaly

71.1145, 0.3068, 0.3203

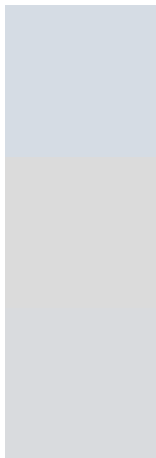
Deuteranomaly

70.5889, 0.3120, 0.3141

Tritanomaly

70.8424, 0.3001, 0.3137

Monochromacy



Original Color

70.9340, 0.3026, 0.3202

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 70.9340, 0.3026, 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(213, 220, 228)` looks like.

```
.text, #text, p{  
    color:rgb(213, 220, 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(213, 220, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 220, 228) }
```

Border

The CSS property to change the border of an element to Yxy 70.9340, 0.3026, 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(213, 220, 228) }
```

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

```
.border{ border-color:rgb(213, 220, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(213, 220, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(213, 220, 228); box-shadow:4px 4px 4px 4px rgb(213, 220, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9340, 0.3026, 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(213, 220, 228) }
```

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

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