

Converting Colors

$Y_{xy}(70.0103, 0.2982, 0.3111)$

Have a look what the booklet for
Yxy(70.0103, 0.2982, 0.3111)
contains.

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Color

Yxy(70.0804, 0.2981, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	D4DAEA
RGB	212, 218, 234
RGB Percent	83%, 85%, 92%
CMY	0.1688, 0.1450, 0.0824
CMYK	0.09, 0.07, 0.00, 0.08
HSL	224°, 34%, 87%
HSV	224°, 9%, 92%
XYZ	67.0657, 70.0804, 87.8311
YIQ	218.0300, -8.7120, 3.7040

Conversions

Conversions Part 2

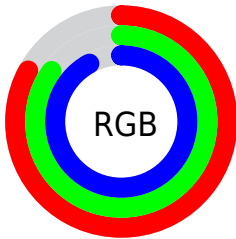
Format	Color
R _Y B	212, 217, 234
Decimal	13949674
CIE Lab	87.04, 1.01, -8.53
CIE LCh	87, 8.588, 276.767
Yxy	70.0804, 0.2981, 0.3115
Android (android.graphics.Color)	4292139754 (0xFFD4DAEA)
YUV	218.0300, 7.8732, -5.2883
Hunter-Lab	83.7140, -3.4981, -3.6061

Details

The Yxy color `70.0804, 0.2981, 0.3115` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `77.7010, 0.3274, 0.3459`, and the grayscale version is `70.0802, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `36.5768, 0.2946, 0.3075` is the 20% darker color. If you saturate the color by 10%, you get `58.4970, 0.2813, 0.2906`, and if you desaturate by 10%, it is `83.0751, 0.3136, 0.3300`.

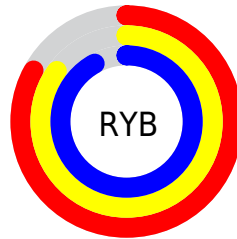
Distribution



Red (83%)

Green (85%)

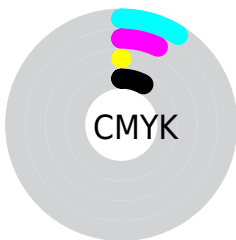
Blue (92%)



Red (83%)

Yellow (85%)

Blue (92%)

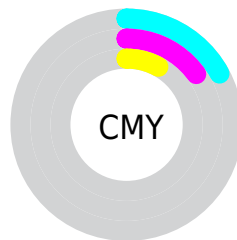


Cyan (9%)

Magenta (7%)

Yellow (0%)

Black (8%)



Cyan (17%)

Magenta (15%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0804, 0.2981, 0.3115 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 70.0804, 0.2981, 0.3115 by changing the saturation by 10% instead.

■ 70.0804, 0.2981,
0.3115

■ 70.0804, 0.2981,
0.3115

460.8323, 0.3049,
0.3196

■ 51.5921, 0.2965,
0.3096

119.3234, 0.3005,
0.3143

■ 36.6800, 0.2946,
0.3073

150.8469, 0.3014,
0.3154

■ 24.9599, 0.2921,
0.3044

187.4842, 0.3022,
0.3164

■ 16.0471, 0.2889,
0.3006

229.6198, 0.3029,
0.3172

■ 9.5575, 0.2845,
0.2953

277.6379, 0.3035,
0.3179

■ 5.1066, 0.2780,
0.2878

331.9232, 0.3040,

■ 2.3099, 0.2678,

0.3185

0.2758

392.8598, 0.3045,
0.3191

0.7790, 0.2490,
0.2535

0.0000, 0.0000,
0.0000

70.0804, 0.2981,
0.3115

70.0804, 0.2981,
0.3115

58.4970, 0.2813,
0.2906

83.0751, 0.3136,
0.3300

48.2675, 0.2635,
0.2674

96.7975, 0.3253,
0.3464

39.3433, 0.2450,
0.2421

98.7204, 0.3250,
0.3493

31.6697, 0.2263,
0.2152

■ 25.1877, 0.2082,
0.1874

■ 19.8332, 0.1916,
0.1599

■ 15.5352, 0.1775,
0.1341

■ 12.2136, 0.1666,
0.1113

■ 9.7595, 0.1592,
0.0926

Harmonies

Analogous

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



70.0804, 0.2931, 0.3155



70.0804, 0.2981, 0.3115



70.0804, 0.3071, 0.3121

Triad

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



70.0804, 0.2981, 0.3115



70.0804, 0.3326, 0.3342



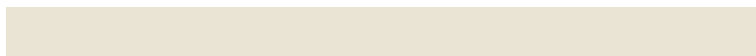
70.0804, 0.3076, 0.3415

Complementary

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



70.0804, 0.2981, 0.3115



77.7010, 0.3274, 0.3459

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.



70.0804, 0.3181, 0.3466



70.0804, 0.2981, 0.3115



70.0804, 0.3327, 0.3422

Square

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



70.0804, 0.2981, 0.3115



70.0804, 0.3271, 0.3250



70.0804, 0.3274, 0.3468



70.0804, 0.2985, 0.3329

Rectangle

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



70.0804, 0.2981, 0.3115



70.0804, 0.3141, 0.3150



70.0804, 0.3274, 0.3468



70.0804, 0.3111, 0.3437

Sweetspot

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



70.0833, 0.2981, 0.3115



95.0884, 0.3082, 0.3236



78.4239, 0.3019, 0.3357



20.0776, 0.3069, 0.3222



0.0000, 0.0000, 0.0000



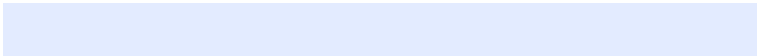
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0833, 0.2981, 0.3115



82.7614, 0.2954, 0.3083



67.7215, 0.3014, 0.3050



15.2222, 0.2980, 0.3114



5.5960, 0.1595, 0.0942



0.5956, 0.1669, 0.1209

Inverse Universe

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



69.6242, 0.3249, 0.3226



82.1490, 0.3273, 0.3214



80.2908, 0.3234, 0.3524



15.1220, 0.3250, 0.3226



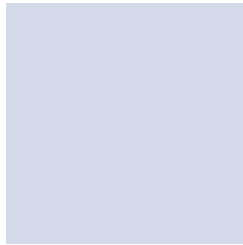
10.0577, 0.5847, 0.2994



0.8055, 0.5453, 0.2778

Previews

White Background



This preview shows how the Yxy color 70.0804, 0.2981, 0.3115 looks on a white background.

Color Contrast Check

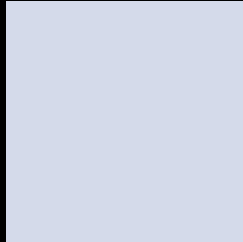
Large Text (above 18pt) WCAG AA × Fail

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 70.0804, 0.2981, 0.3115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

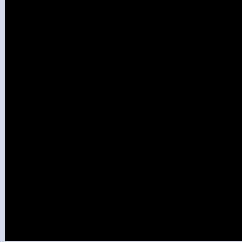
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

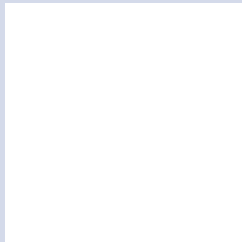
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.0804, 0.2981, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 70.0804, 0.2981, 0.3115.

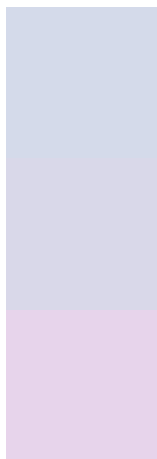


This preview shows how white text looks on a background with the Yxy color 70.0804, 0.2981, 0.3115.

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

70.0804, 0.2981, 0.3115

Protanopia

69.7466, 0.3022, 0.3105

Deuteranopia

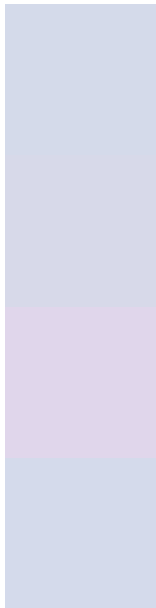
70.0740, 0.3109, 0.3048



Tritanopia

70.1380, 0.2975, 0.3104

Trichromacy



Original Color

70.0804, 0.2981, 0.3115

Protanomaly

69.9560, 0.3008, 0.3116

Deuteranomaly

69.9386, 0.3059, 0.3066

Tritanomaly

70.1380, 0.2975, 0.3104

Monochromacy



Original Color

70.0804, 0.2981, 0.3115

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.1236, 0.3073, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0804, 0.2981, 0.3115 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, 218, 234)` looks like.

```
.text, #text, p{  
    color:rgb(212, 218, 234)  
}
```

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, 218, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 218, 234) }
```

Border

The CSS property to change the border of an element to Yxy 70.0804, 0.2981, 0.3115 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, 218, 234) }
```

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

```
.border{ border-color:rgb(212, 218, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 218, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 218, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 218, 234);  
box-shadow:4px 4px 4px 4px rgb(212, 218,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0804, 0.2981, 0.3115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 218, 234) }
```

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

```
.background{ background-color: rgb(212,  
218, 234) }
```

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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