

Converting Colors

$Yxy(70.5847, 0.2947, 0.3178)$

Have a look what the booklet for
Yxy(70.5847, 0.2947, 0.3178)
contains.

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Color

Yxy(70.3198, 0.2946, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	CCDDE7
RGB	204, 221, 231
RGB Percent	80%, 87%, 91%
CMY	0.2000, 0.1333, 0.0940
CMYK	0.12, 0.04, 0.00, 0.09
HSL	202°, 36%, 85%
HSV	202°, 12%, 91%
XYZ	65.1863, 70.3198, 85.7645
YIQ	217.0570, -13.3420, -0.4940

Conversions

Conversions Part 2

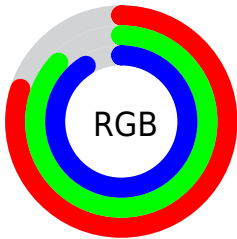
Format	Color
R _Y B	204, 214, 231
Decimal	13426151
CIE Lab	87.15, -3.69, -6.85
CIE LCh	87, 7.785, 241.701
Yxy	70.3198, 0.2946, 0.3178
Android (android.graphics.Color)	4291616231 (0xFFCCDDE7)
YUV	217.0570, 6.8739, -11.4510
Hunter-Lab	83.8569, -7.9923, -1.9389

Details

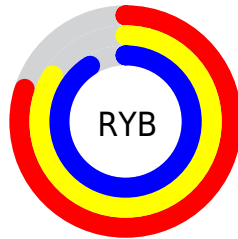
The Yxy color **70.3198, 0.2946, 0.3178** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.4676, 0.3324, 0.3399**, and the grayscale version is **69.3911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **36.8516, 0.2910, 0.3158** is the 20% darker color. If you saturate the color by 10%, you get **62.8824, 0.2789, 0.3071**, and if you desaturate by 10%, it is **78.4787, 0.3101, 0.3275**.

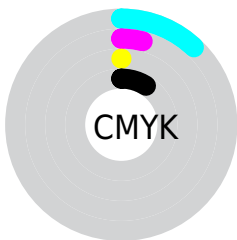
Distribution



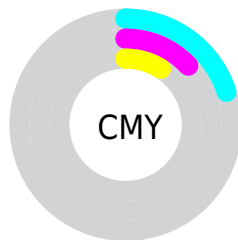
- Red (80%)
- Green (87%)
- Blue (91%)



- Red (80%)
- Yellow (84%)
- Blue (91%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3198, 0.2946, 0.3178 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 70.3198, 0.2946, 0.3178 by changing the saturation by 10% instead.

■ 70.3198, 0.2946,
0.3178

■ 70.3198, 0.2946,
0.3178

461.6721, 0.3030,
0.3231

■ 51.7873, 0.2927,
0.3166

119.6647, 0.2975,
0.3196

■ 36.8356, 0.2903,
0.3151

151.2459, 0.2987,
0.3204

■ 25.0802, 0.2873,
0.3131

187.9454, 0.2996,
0.3210

■ 16.1368, 0.2833,
0.3106

230.1477, 0.3005,
0.3215

■ 9.6210, 0.2779,
0.3070

278.2371, 0.3012,
0.3220

■ 5.1484, 0.2701,
0.3018

332.5980, 0.3019,

■ 2.3346, 0.2578,

0.3224

0.2934

393.6149, 0.3025,
0.3227

0.7919, 0.2327,
0.2781

0.0000, 0.0000,
0.0000

70.3198, 0.2946,
0.3178

70.3198, 0.2946,
0.3178

62.8824, 0.2789,
0.3071

78.4787, 0.3101,
0.3275

56.1331, 0.2634,
0.2954

87.3736, 0.3252,
0.3361

50.0484, 0.2483,
0.2828

93.3889, 0.3276,
0.3443

44.6000, 0.2341,
0.2694

98.5516, 0.3268,
0.3522

■ 39.7572, 0.2212,
0.2554

■ 35.4856, 0.2100,
0.2410

■ 31.7464, 0.2007,
0.2265

■ 28.4937, 0.1936,
0.2123

■ 26.1042, 0.1891,
0.2007

Harmonies

Analogous

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



70.3198, 0.2956, 0.3253



70.3198, 0.2946, 0.3178



70.3198, 0.2984, 0.3135

Triad

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



70.3198, 0.2946, 0.3178



70.3198, 0.3245, 0.3241



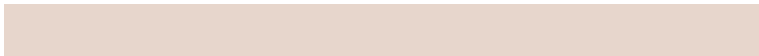
70.3198, 0.3192, 0.3453

Complementary

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



70.3198, 0.2946, 0.3178



69.4676, 0.3324, 0.3399

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.



70.3198, 0.3271, 0.3447



70.3198, 0.2946, 0.3178



70.3198, 0.3302, 0.3323

Square

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



70.3198, 0.2946, 0.3178



70.3198, 0.3156, 0.3171



70.3198, 0.3312, 0.3399



70.3198, 0.3097, 0.3413

Rectangle

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



70.3198, 0.2946, 0.3178



70.3198, 0.3032, 0.3129



70.3198, 0.3312, 0.3399



70.3198, 0.3222, 0.3456

Sweetspot

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



70.3227, 0.2946, 0.3178



95.7243, 0.3065, 0.3253



74.8607, 0.3051, 0.3481



20.3204, 0.3054, 0.3246



0.0000, 0.0000, 0.0000



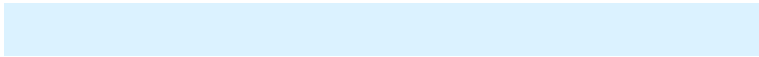
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3227, 0.2946, 0.3178



85.6803, 0.2909, 0.3154



63.5302, 0.2943, 0.3026



15.3898, 0.2981, 0.3201



14.8746, 0.1897, 0.2029



1.2757, 0.1954, 0.2234

Inverse Universe

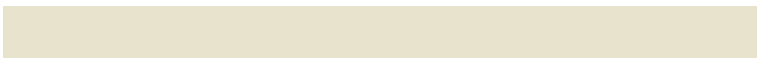
The Inverse Universe completely reimagines the original color for something new.



65.4028, 0.3212, 0.3107



78.4753, 0.3232, 0.3069



76.5295, 0.3306, 0.3541



14.5197, 0.3194, 0.3143



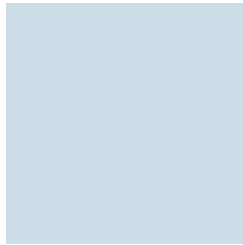
10.6993, 0.4420, 0.2208



0.8085, 0.4196, 0.2085

Previews

White Background



This preview shows how the Yxy color 70.3198, 0.2946, 0.3178 looks on a white background.

Color Contrast Check

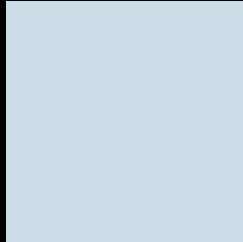
Large Text (above 18pt) WCAG AA × Fail

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 70.3198, 0.2946, 0.3178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

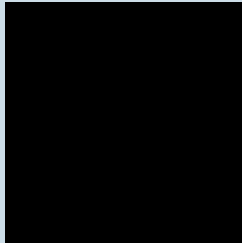
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

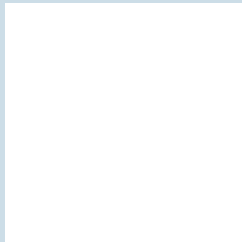
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3198, 0.2946, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 70.3198, 0.2946, 0.3178.

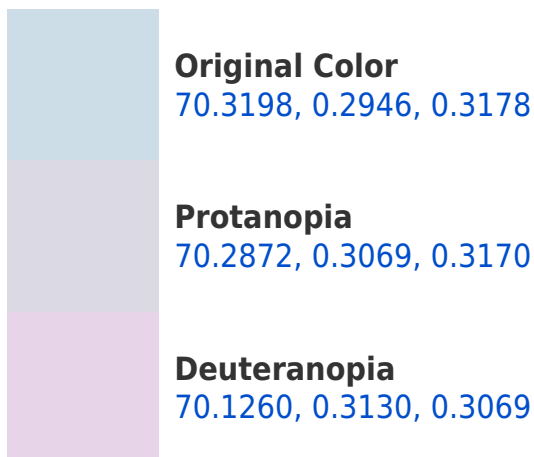


This preview shows how white text looks on a background with the Yxy color 70.3198, 0.2946, 0.3178.

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

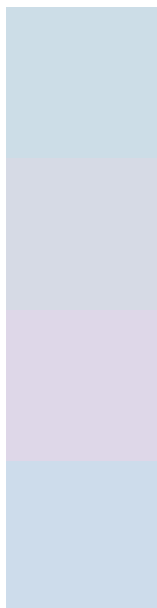




Tritanopia

70.2800, 0.2916, 0.3102

Trichromacy



Original Color

70.3198, 0.2946, 0.3178

Protanomaly

70.0961, 0.3027, 0.3169

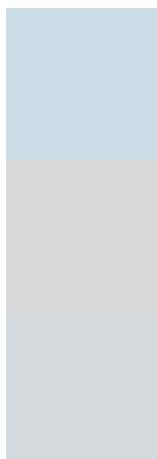
Deuteranomaly

69.9567, 0.3064, 0.3107

Tritanomaly

70.1637, 0.2928, 0.3124

Monochromacy



Original Color

70.3198, 0.2946, 0.3178

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

69.4138, 0.3058, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3198, 0.2946, 0.3178 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(204, 221, 231)` looks like.

```
.text, #text, p{  
    color:rgb(204, 221, 231)  
}
```

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(204, 221, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 221, 231) }
```

Border

The CSS property to change the border of an element to Yxy 70.3198, 0.2946, 0.3178 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(204, 221, 231) }
```

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

```
.border{ border-color:rgb(204, 221, 231) }
```

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

Here you see how a box with a 4 pixel rgb(204, 221, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 221, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 221, 231);  
box-shadow:4px 4px 4px 4px rgb(204, 221,  
231) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.3198, 0.2946, 0.3178$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 221, 231) }
```

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

```
.background{ background-color: rgb(204,  
221, 231) }
```

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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