

Converting Colors

$Yxy(68.2050, 0.2972, 0.3173)$

Have a look what the booklet for
Yxy(68.2050, 0.2972, 0.3173)
contains.

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Color

Yxy(68.2063, 0.2971, 0.3167)

Conversions

Conversions Part 1

Format	Color
Hex	CDD9E4
RGB	205, 217, 228
RGB Percent	80%, 85%, 89%
CMY	0.1962, 0.1490, 0.1060
CMYK	0.10, 0.05, 0.00, 0.11
HSL	209°, 30%, 85%
HSV	209°, 10%, 89%
XYZ	63.9851, 68.2063, 83.1742
YIQ	214.6660, -10.6830, 0.8770

Conversions

Conversions Part 2

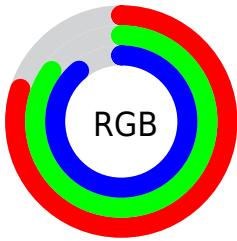
Format	Color
R _Y B	205, 213, 228
Decimal	13490660
CIE Lab	86.11, -1.92, -6.78
CIE LCh	86, 7.041, 254.212
Yxy	68.2063, 0.2971, 0.3167
Android (android.graphics.Color)	4291680740 (0xFFCDD9E4)
YUV	214.6660, 6.5737, -8.4771
Hunter-Lab	82.5871, -6.2329, -1.9005

Details

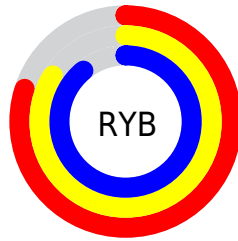
The Yxy color **68.2063, 0.2971, 0.3167** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.9767, 0.3291, 0.3410**, and the grayscale version is **67.6760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4371, 0.2933, 0.3128** is the 20% darker color. If you saturate the color by 10%, you get **59.7816, 0.2811, 0.3031**, and if you desaturate by 10%, it is **77.4778, 0.3126, 0.3289**.

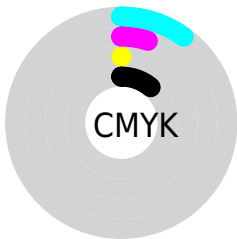
Distribution



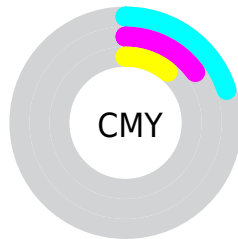
- Red (80%)
- Green (85%)
- Blue (89%)



- Red (80%)
- Yellow (84%)
- Blue (89%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (15%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2063, 0.2971, 0.3167 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 68.2063, 0.2971, 0.3167 by changing the saturation by 10% instead.

■ 68.2063, 0.2971,
0.3167

■ 68.2063, 0.2971,
0.3167

454.2266, 0.3044,
0.3225

■ 50.0656, 0.2954,
0.3154

116.6472, 0.2996,
0.3187

■ 35.4655, 0.2933,
0.3137

147.7162, 0.3006,
0.3195

■ 24.0217, 0.2907,
0.3116

183.8634, 0.3015,
0.3202

■ 15.3497, 0.2872,
0.3087

225.4733, 0.3022,
0.3208

■ 9.0652, 0.2824,
0.3048

272.9301, 0.3029,
0.3213

■ 4.7837, 0.2753,
0.2991

326.6183, 0.3034,

■ 2.1209, 0.2641,

0.3217

0.2898

386.9224, 0.3039,
0.3221

0.6764, 0.2380,
0.2701

0.0000, 0.0000,
0.0000

68.2063, 0.2971,
0.3167

68.2063, 0.2971,
0.3167

59.7816, 0.2811,
0.3031

77.4778, 0.3126,
0.3289

52.1679, 0.2649,
0.2881

87.6136, 0.3274,
0.3397

45.3388, 0.2487,
0.2719

94.9894, 0.3292,
0.3501

39.2634, 0.2331,
0.2545

98.3802, 0.3286,
0.3552

■ 33.9078, 0.2184,
0.2362

■ 29.2354, 0.2053,
0.2175

■ 25.2047, 0.1942,
0.1988

■ 21.7679, 0.1854,
0.1806

■ 18.8717, 0.1788,
0.1635

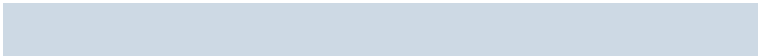
Harmonies

Analogous

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



68.2063, 0.2961, 0.3225



68.2063, 0.2971, 0.3167



68.2063, 0.3022, 0.3143

Triad

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



68.2063, 0.2971, 0.3167



68.2063, 0.3261, 0.3276



68.2063, 0.3151, 0.3428

Complementary

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



68.2063, 0.2971, 0.3167



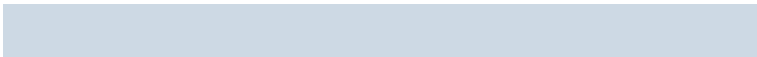
69.9767, 0.3291, 0.3410

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.



68.2063, 0.3232, 0.3441



68.2063, 0.2971, 0.3167



68.2063, 0.3296, 0.3351

Square

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



68.2063, 0.2971, 0.3167



68.2063, 0.3189, 0.3205



68.2063, 0.3286, 0.3412



68.2063, 0.3064, 0.3377

Rectangle

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



68.2063, 0.2971, 0.3167



68.2063, 0.3073, 0.3148



68.2063, 0.3286, 0.3412



68.2063, 0.3180, 0.3437

Sweetspot

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



68.2092, 0.2971, 0.3167



96.2737, 0.3081, 0.3255



73.3929, 0.3048, 0.3427



20.3970, 0.3069, 0.3245



0.0000, 0.0000, 0.0000



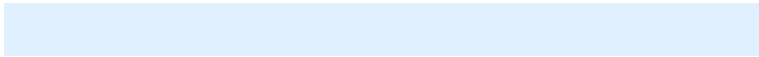
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2092, 0.2971, 0.3167



85.6969, 0.2940, 0.3141



62.5941, 0.2970, 0.3038



15.1293, 0.2981, 0.3175



11.1387, 0.1795, 0.1661



1.0089, 0.1866, 0.1916

Inverse Universe

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



65.1515, 0.3217, 0.3159



81.1026, 0.3237, 0.3133



75.9505, 0.3278, 0.3530



14.4934, 0.3211, 0.3168



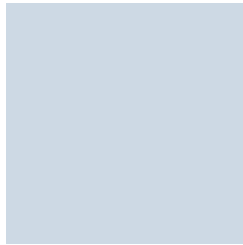
10.3222, 0.4855, 0.2448



0.7815, 0.4549, 0.2280

Previews

White Background



This preview shows how the Yxy color 68.2063, 0.2971, 0.3167 looks on a white background.

Color Contrast Check

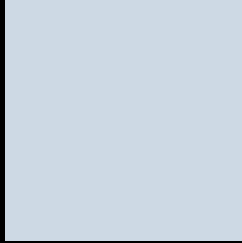
Large Text (above 18pt) WCAG AA × Fail

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 68.2063, 0.2971, 0.3167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

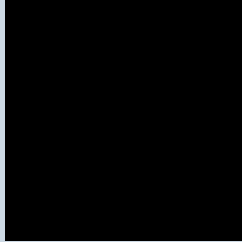
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

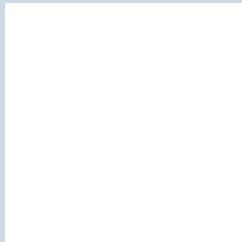
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2063, 0.2971, 0.3167

Background



This preview shows how black text looks on a background with the Yxy color 68.2063, 0.2971, 0.3167.

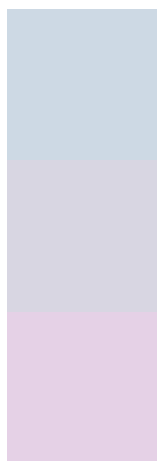


This preview shows how white text looks on a background with the Yxy color 68.2063, 0.2971, 0.3167.

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

68.2063, 0.2971, 0.3167

Protanopia

68.1831, 0.3061, 0.3158

Deuteranopia

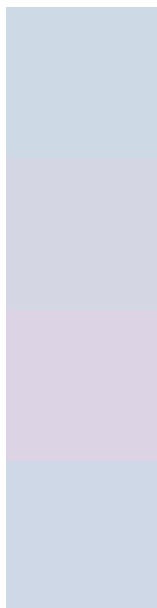
67.9721, 0.3130, 0.3066



Tritanopia

68.1167, 0.2946, 0.3101

Trichromacy



Original Color

68.2063, 0.2971, 0.3167

Protanomaly

68.1440, 0.3026, 0.3157

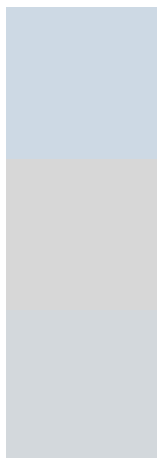
Deuteranomaly

67.9598, 0.3070, 0.3105

Tritanomaly

68.0031, 0.2959, 0.3123

Monochromacy



Original Color

68.2063, 0.2971, 0.3167

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.1279, 0.3065, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2063, 0.2971, 0.3167 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(205, 217, 228)` looks like.

```
.text, #text, p{  
    color:rgb(205, 217, 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(205, 217, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 217, 228) }
```

Border

The CSS property to change the border of an element to Yxy 68.2063, 0.2971, 0.3167 is called "border". The border property can be set on classes, ids or directly on the HTML element.

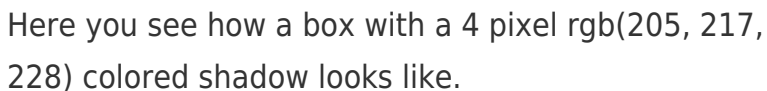
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 217, 228) }
```

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

```
.border{ border-color:rgb(205, 217, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 217, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 217, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 217, 228); box-shadow:4px 4px 4px 4px rgb(205, 217, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2063, 0.2971, 0.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 217, 228) }
```

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

```
.background{ background-color: rgb(205,  
217, 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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