

Converting Colors

$Yxy(68.6233, 0.2961, 0.3215)$

Have a look what the booklet for
Yxy(68.6233, 0.2961, 0.3215)
contains.

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Color

Yxy(68.5715, 0.2957, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	C9DBE2
RGB	201, 219, 226
RGB Percent	79%, 86%, 89%
CMY	0.2117, 0.1412, 0.1139
CMYK	0.11, 0.03, 0.00, 0.11
HSL	197°, 30%, 84%
HSV	197°, 11%, 89%
XYZ	63.1473, 68.5715, 81.8331
YIQ	214.4160, -12.9750, -1.6390

Conversions

Conversions Part 2

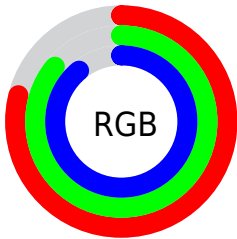
Format	Color
R _Y B	201, 211, 226
Decimal	13229026
CIE Lab	86.29, -4.62, -5.47
CIE LCh	86, 7.164, 229.830
Yxy	68.5715, 0.2957, 0.3211
Android (android.graphics.Color)	4291419106 (0xFFC9DBE2)
YUV	214.4160, 5.7109, -11.7658
Hunter-Lab	82.8079, -8.7941, -0.6265

Details

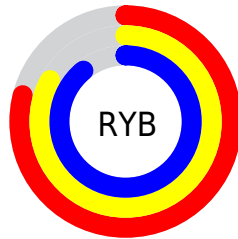
The Yxy color **68.5715, 0.2957, 0.3211** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.4883, 0.3314, 0.3368**, and the grayscale version is **67.5103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.6942, 0.2915, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **62.4390, 0.2804, 0.3132**, and if you desaturate by 10%, it is **75.2952, 0.3111, 0.3283**.

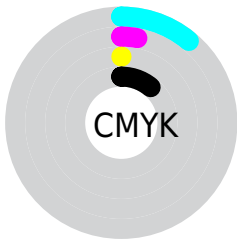
Distribution



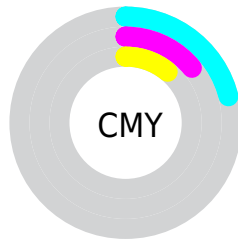
- Red (79%)
- Green (86%)
- Blue (89%)



- Red (79%)
- Yellow (83%)
- Blue (89%)



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



- Cyan (21%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5715, 0.2957, 0.3211 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 68.5715, 0.2957, 0.3211 by changing the saturation by 10% instead.

■ 68.5715, 0.2957,
0.3211

■ 68.5715, 0.2957,
0.3211

455.5182, 0.3036,
0.3249

■ 50.3628, 0.2939,
0.3202

117.1693, 0.2985,
0.3224

■ 35.7018, 0.2916,
0.3191

148.3273, 0.2995,
0.3229

■ 24.2040, 0.2887,
0.3177

184.5704, 0.3005,
0.3234

■ 15.4850, 0.2850,
0.3158

226.2832, 0.3013,
0.3237

■ 9.1605, 0.2798,
0.3132

273.8500, 0.3020,
0.3241

■ 4.8460, 0.2722,
0.3093

327.6551, 0.3026,

■ 2.1572, 0.2602,

0.3244

0.3029

388.0831, 0.3031,
0.3246

0.6965, 0.2290,
0.2905

0.0000, 0.0000,
0.0000

68.5715, 0.2957,
0.3211

68.5715, 0.2957,
0.3211

62.4390, 0.2804,
0.3132

75.2952, 0.3111,
0.3283

56.8678, 0.2654,
0.3046

82.6216, 0.3264,
0.3348

51.8377, 0.2512,
0.2953

87.8575, 0.3318,
0.3409

47.3242, 0.2381,
0.2855

91.5947, 0.3310,
0.3470

■ 43.3000, 0.2264,
0.2752

■ 95.4620, 0.3303,
0.3530

■ 39.7353, 0.2164,
0.2647

■ 98.2691, 0.3298,
0.3572

■ 36.5958, 0.2084,
0.2541

■ 33.8408, 0.2024,
0.2436

■ 31.6380, 0.1984,
0.2343

Harmonies

Analogous

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



68.5715, 0.2983, 0.3287



68.5715, 0.2957, 0.3211



68.5715, 0.2975, 0.3158

Triad

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



68.5715, 0.2957, 0.3211



68.5715, 0.3206, 0.3216



68.5715, 0.3220, 0.3444

Complementary

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



68.5715, 0.2957, 0.3211



65.4883, 0.3314, 0.3368

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.



68.5715, 0.3281, 0.3422



68.5715, 0.2957, 0.3211



68.5715, 0.3273, 0.3290

Square

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



68.5715, 0.2957, 0.3211



68.5715, 0.3118, 0.3162



68.5715, 0.3301, 0.3366



68.5715, 0.3134, 0.3424

Rectangle

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



68.5715, 0.2957, 0.3211



68.5715, 0.3011, 0.3141



68.5715, 0.3301, 0.3366



68.5715, 0.3244, 0.3441

Sweetspot

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



68.5744, 0.2957, 0.3211



97.2226, 0.3081, 0.3269



71.3333, 0.3072, 0.3499



20.6534, 0.3068, 0.3264



0.0000, 0.0000, 0.0000



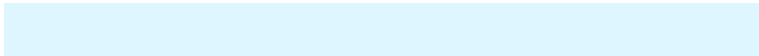
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5744, 0.2957, 0.3211



88.4818, 0.2925, 0.3195



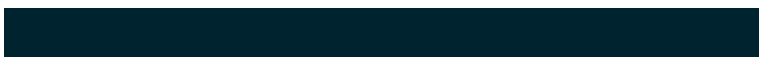
62.4611, 0.2955, 0.3071



14.8915, 0.2982, 0.3223



18.2653, 0.1989, 0.2359



1.4146, 0.2033, 0.2520

Inverse Universe

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



63.0633, 0.3190, 0.3093



80.0610, 0.3203, 0.3056



71.6448, 0.3299, 0.3500



13.8669, 0.3180, 0.3123



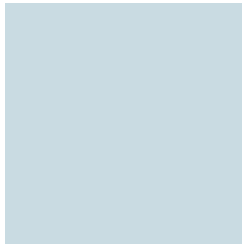
10.7519, 0.4065, 0.2013



0.7603, 0.3903, 0.1924

Previews

White Background



This preview shows how the Yxy color 68.5715, 0.2957, 0.3211 looks on a white background.

Color Contrast Check

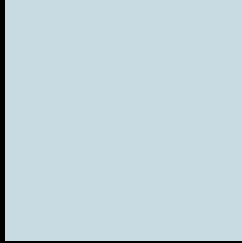
Large Text (above 18pt) WCAG AA × Fail

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 68.5715, 0.2957, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

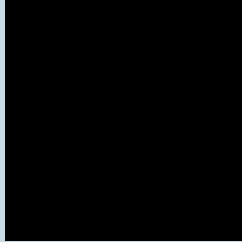
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

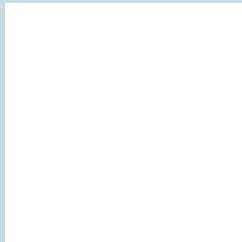
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.5715, 0.2957, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 68.5715, 0.2957, 0.3211.



This preview shows how white text looks on a background with the Yxy color 68.5715, 0.2957, 0.3211.

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

68.5715, 0.2957, 0.3211

Protanopia

68.1726, 0.3088, 0.3191

Deuteranopia

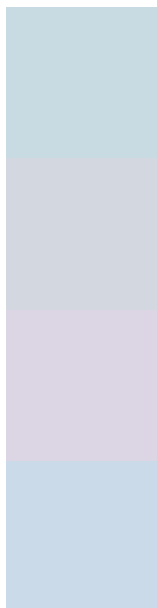
68.1913, 0.3159, 0.3088



Tritanopia

68.8375, 0.2914, 0.3101

Trichromacy



Original Color

68.5715, 0.2957, 0.3211

Protanomaly

68.3424, 0.3038, 0.3201

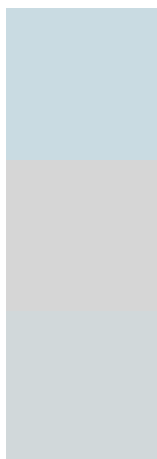
Deuteranomaly

68.3502, 0.3084, 0.3137

Tritanomaly

68.5256, 0.2926, 0.3133

Monochromacy



Original Color

68.5715, 0.2957, 0.3211

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.7290, 0.3064, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5715, 0.2957, 0.3211 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(201, 219, 226)` looks like.

```
.text, #text, p{  
    color:rgb(201, 219, 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(201, 219, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 219, 226) }
```

Border

The CSS property to change the border of an element to Yxy 68.5715, 0.2957, 0.3211 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(201, 219, 226) }
```

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

```
.border{ border-color:rgb(201, 219, 226) }
```

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

Here you see how a box with a 4 pixel rgb(201, 219, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 219, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 219, 226);  
box-shadow:4px 4px 4px 4px rgb(201, 219,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5715, 0.2957, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 219, 226) }
```

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

```
.background{ background-color: rgb(201,  
219, 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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