

Converting Colors

$Yxy(68.2228, 0.2988, 0.3232)$

Have a look what the booklet for
Yxy(68.2228, 0.2988, 0.3232)
contains.

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Color

Yxy(68.1670, 0.2989, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	CBDADF
RGB	203, 218, 223
RGB Percent	80%, 85%, 87%
CMY	0.2039, 0.1451, 0.1254
CMYK	0.09, 0.02, 0.00, 0.13
HSL	195°, 24%, 84%
HSV	195°, 9%, 87%
XYZ	63.0223, 68.1670, 79.6582
YIQ	214.0850, -10.5450, -1.6250

Conversions

Conversions Part 2

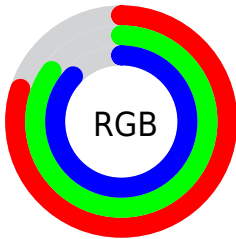
Format	Color
R _Y B	203, 212, 223
Decimal	13359839
CIE Lab	86.09, -4.04, -4.20
CIE LCh	86, 5.825, 226.084
Yxy	68.1670, 0.2989, 0.3233
Android (android.graphics.Color)	4291549919 (0xFFCDBADF)
YUV	214.0850, 4.3951, -9.7215
Hunter-Lab	82.5633, -8.2330, 0.5905

Details

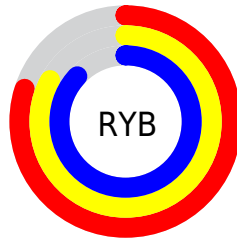
The Yxy color **68.1670, 0.2989, 0.3233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.1261, 0.3277, 0.3346**, and the grayscale version is **67.2835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4111, 0.2956, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **62.4100, 0.2836, 0.3163**, and if you desaturate by 10%, it is **74.4779, 0.3143, 0.3296**.

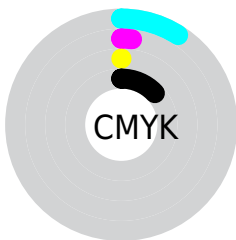
Distribution



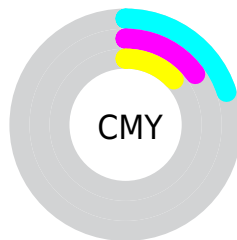
- Red (80%)
- Green (85%)
- Blue (87%)



- Red (80%)
- Yellow (83%)
- Blue (87%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



- Cyan (20%)
- Magenta (15%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1670, 0.2989, 0.3233 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 68.1670, 0.2989, 0.3233 by changing the saturation by 10% instead.

■ 68.1670, 0.2989,
0.3233

■ 68.1670, 0.2989,
0.3233

454.0875, 0.3054,
0.3260

■ 50.0336, 0.2974,
0.3227

116.5910, 0.3011,
0.3243

■ 35.4401, 0.2956,
0.3219

147.6504, 0.3020,
0.3246

■ 24.0021, 0.2932,
0.3208

183.7873, 0.3028,
0.3249

■ 15.3352, 0.2901,
0.3195

225.3860, 0.3034,
0.3252

■ 9.0550, 0.2858,
0.3176

272.8310, 0.3040,
0.3254

■ 4.7770, 0.2796,
0.3147

326.5067, 0.3045,

■ 2.1170, 0.2696,

0.3257

0.3100

386.7974, 0.3049,
0.3258

0.6742, 0.2415,
0.3003

0.0000, 0.0000,
0.0000

68.1670, 0.2989,
0.3233

68.1670, 0.2989,
0.3233

62.4100, 0.2836,
0.3163

74.4779, 0.3143,
0.3296

57.1782, 0.2688,
0.3088

81.3531, 0.3296,
0.3353

52.4530, 0.2546,
0.3006

85.8741, 0.3341,
0.3407

48.2113, 0.2416,
0.2920

89.1213, 0.3334,
0.3462

■ 44.4278, 0.2300,
0.2829

■ 92.4700, 0.3327,
0.3516

■ 41.0744, 0.2200,
0.2736

■ 95.9211, 0.3320,
0.3569

■ 38.1196, 0.2120,
0.2642

■ 98.1086, 0.3315,
0.3601

■ 35.5258, 0.2060,
0.2548

■ 33.2353, 0.2017,
0.2456

Harmonies

Analogous

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



68.1670, 0.3015, 0.3296



68.1670, 0.2989, 0.3233



68.1670, 0.3000, 0.3186

Triad

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



68.1670, 0.2989, 0.3233



68.1670, 0.3183, 0.3223



68.1670, 0.3210, 0.3415

Complementary

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



68.1670, 0.2989, 0.3233



65.1261, 0.3277, 0.3346

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.



68.1670, 0.3256, 0.3393



68.1670, 0.2989, 0.3233



68.1670, 0.3241, 0.3283

Square

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



68.1670, 0.2989, 0.3233



68.1670, 0.3111, 0.3181



68.1670, 0.3268, 0.3345



68.1670, 0.3142, 0.3402

Rectangle

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



68.1670, 0.2989, 0.3233



68.1670, 0.3026, 0.3170



68.1670, 0.3268, 0.3345



68.1670, 0.3229, 0.3411

Sweetspot

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



68.1699, 0.2989, 0.3233



97.3605, 0.3081, 0.3271



70.0363, 0.3084, 0.3461



20.6907, 0.3068, 0.3266



0.0000, 0.0000, 0.0000



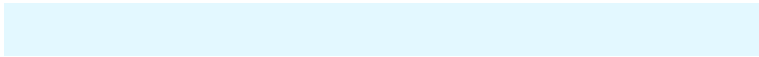
21.4041, 0.3127, 0.3290

Same Dimension

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



68.1699, 0.2989, 0.3233



90.6587, 0.2957, 0.3219



63.1434, 0.2989, 0.3119



14.9600, 0.2982, 0.3230



19.5941, 0.2017, 0.2460



1.4975, 0.2057, 0.2603

Inverse Universe

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



63.4688, 0.3173, 0.3125



82.9462, 0.3185, 0.3085



70.1530, 0.3266, 0.3456



13.8739, 0.3176, 0.3116



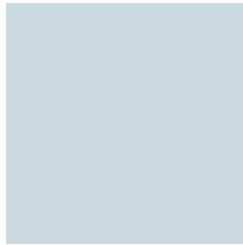
10.8861, 0.3962, 0.1956



0.7686, 0.3821, 0.1879

Previews

White Background



This preview shows how the Yxy color 68.1670, 0.2989, 0.3233 looks on a white background.

Color Contrast Check

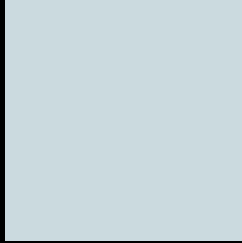
Large Text (above 18pt) WCAG AA × Fail

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 68.1670, 0.2989, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

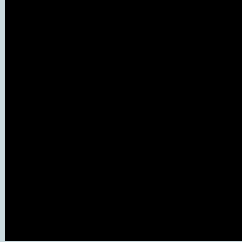
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

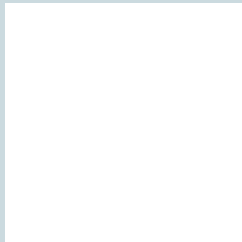
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.1670, 0.2989, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 68.1670, 0.2989, 0.3233.



This preview shows how white text looks on a background with the Yxy color 68.1670, 0.2989, 0.3233.

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

68.1670, 0.2989, 0.3233

Protanopia

68.0653, 0.3102, 0.3213

Deuteranopia

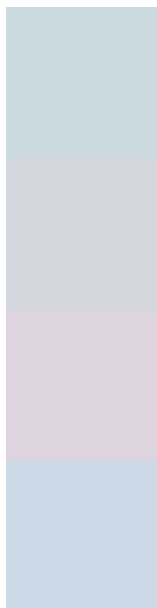
68.0261, 0.3180, 0.3119



Tritanopia

68.0314, 0.2933, 0.3090

Trichromacy



Original Color

68.1670, 0.2989, 0.3233

Protanomaly

67.8719, 0.3059, 0.3212

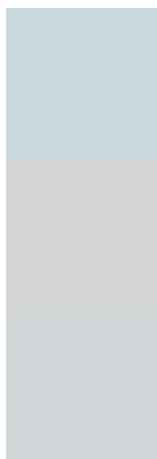
Deuteranomaly

67.8409, 0.3111, 0.3159

Tritanomaly

68.1762, 0.2952, 0.3144

Monochromacy



Original Color

68.1670, 0.2989, 0.3233

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.3123, 0.3078, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.1670, 0.2989, 0.3233 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(203, 218, 223)` looks like.

```
.text, #text, p{  
    color:rgb(203, 218, 223)  
}
```

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(203, 218, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 218, 223) }
```

Border

The CSS property to change the border of an element to Yxy 68.1670, 0.2989, 0.3233 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(203, 218, 223) }
```

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

```
.border{ border-color:rgb(203, 218, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 218, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 218, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 218, 223);  
box-shadow:4px 4px 4px 4px rgb(203, 218,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 68.1670, 0.2989, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 218, 223) }
```

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

```
.background{ background-color: rgb(203,  
218, 223) }
```

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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