

Converting Colors

$Yxy(67.8175, 0.3014, 0.3247)$

Have a look what the booklet for
Yxy(67.8175, 0.3014, 0.3247)
contains.

Yxy(67.8253, 0.3016, 0.3245)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.8253, 0.3016, 0.3245)

Conversions

Conversions Part 1

Format	Color
Hex	CDD9DD
RGB	205, 217, 221
RGB Percent	80%, 85%, 87%
CMY	0.1960, 0.1490, 0.1335
CMYK	0.07, 0.02, 0.00, 0.13
HSL	195°, 19%, 84%
HSV	195°, 7%, 87%
XYZ	63.0389, 67.8253, 78.1506
YIQ	213.8680, -8.4360, -1.3000

Conversions

Conversions Part 2

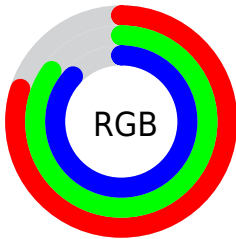
Format	Color
R _Y B	205, 212, 221
Decimal	13490653
CIE Lab	85.92, -3.27, -3.35
CIE LCh	86, 4.676, 225.701
Yxy	67.8253, 0.3016, 0.3245
Android (android.graphics.Color)	4291680733 (0xFFCDD9DD)
YUV	213.8680, 3.5161, -7.7772
Hunter-Lab	82.3561, -7.4917, 1.3869

Details

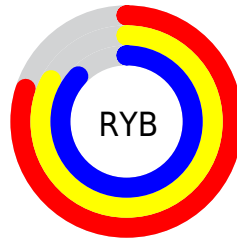
The Yxy color **67.8253, 0.3016, 0.3245** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.3614, 0.3246, 0.3335**, and the grayscale version is **67.1333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.1731, 0.2991, 0.3230** is the 20% darker color. If you saturate the color by 10%, you get **62.1240, 0.2863, 0.3177**, and if you desaturate by 10%, it is **74.0701, 0.3170, 0.3306**.

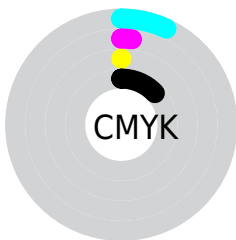
Distribution



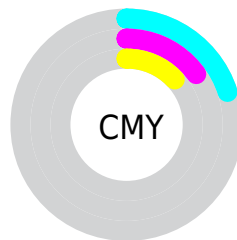
- Red (80%)
- Green (85%)
- Blue (87%)



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



- Cyan (7%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8253, 0.3016, 0.3245 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 67.8253, 0.3016, 0.3245 by changing the saturation by 10% instead.

■ 67.8253, 0.3016,
0.3245

■ 67.8253, 0.3016,
0.3245

452.8768, 0.3068,
0.3266

■ 49.7556, 0.3004,
0.3240

116.1022, 0.3034,
0.3253

■ 35.2193, 0.2989,
0.3234

147.0782, 0.3041,
0.3255

■ 23.8318, 0.2970,
0.3226

183.1251, 0.3047,
0.3258

■ 15.2089, 0.2945,
0.3215

224.6273, 0.3052,
0.3260

■ 8.9661, 0.2910,
0.3200

271.9691, 0.3057,
0.3262

■ 4.7191, 0.2859,
0.3178

325.5351, 0.3061,

■ 2.0834, 0.2777,

0.3264

385.7095, 0.3065,
0.3265

0.3141

0.6553, 0.2531,
0.3054

0.0000, 0.0000,
0.0000

67.8253, 0.3016,
0.3245

67.8253, 0.3016,
0.3245

62.1240, 0.2863,
0.3177

74.0701, 0.3170,
0.3306

56.9381, 0.2714,
0.3103

80.8681, 0.3322,
0.3362

52.2498, 0.2571,
0.3024

85.0156, 0.3356,
0.3415

48.0368, 0.2439,
0.2939

88.1770, 0.3349,
0.3468

■ 44.2749, 0.2320,
0.2850

■ 91.4357, 0.3341,
0.3521

■ 40.9373, 0.2218,
0.2759

■ 94.7927, 0.3334,
0.3574

■ 37.9936, 0.2134,
0.2666

■ 97.9986, 0.3328,
0.3622

■ 35.4085, 0.2071,
0.2573

■ 33.1356, 0.2026,
0.2481

Harmonies

Analogous

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



67.8253, 0.3037, 0.3296



67.8253, 0.3016, 0.3245



67.8253, 0.3024, 0.3207

Triad

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



67.8253, 0.3016, 0.3245



67.8253, 0.3171, 0.3236



67.8253, 0.3195, 0.3390

Complementary

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



67.8253, 0.3016, 0.3245



65.3614, 0.3246, 0.3335

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.



67.8253, 0.3231, 0.3373



67.8253, 0.3016, 0.3245



67.8253, 0.3218, 0.3284

Square

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



67.8253, 0.3016, 0.3245



67.8253, 0.3114, 0.3202



67.8253, 0.3240, 0.3334



67.8253, 0.3140, 0.3380

Rectangle

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



67.8253, 0.3016, 0.3245



67.8253, 0.3045, 0.3194



67.8253, 0.3240, 0.3334



67.8253, 0.3209, 0.3387

Sweetspot

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



67.8282, 0.3016, 0.3245



98.2406, 0.3096, 0.3278



69.2657, 0.3094, 0.3429



21.0460, 0.3098, 0.3278



0.0000, 0.0000, 0.0000



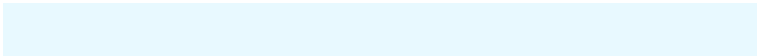
21.4041, 0.3127, 0.3290

Same Dimension

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



67.8282, 0.3016, 0.3245



92.3240, 0.2988, 0.3233



63.9306, 0.3017, 0.3157



14.2537, 0.2982, 0.3231



19.0959, 0.2020, 0.2470



1.3698, 0.2061, 0.2619

Inverse Universe

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



64.0446, 0.3163, 0.3157



85.8600, 0.3173, 0.3123



69.2519, 0.3238, 0.3420



13.2167, 0.3175, 0.3116



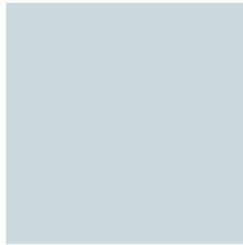
10.5515, 0.3952, 0.1951



0.6970, 0.3805, 0.1870

Previews

White Background



This preview shows how the Yxy color 67.8253, 0.3016, 0.3245 looks on a white background.

Color Contrast Check

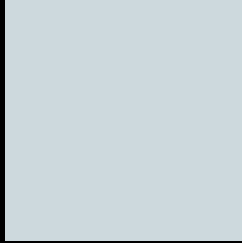
Large Text (above 18pt) WCAG AA × Fail

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 67.8253, 0.3016, 0.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

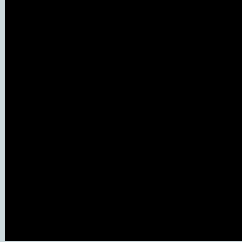
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

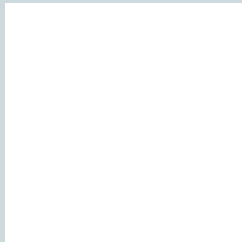
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.8253, 0.3016, 0.3245

Background



This preview shows how black text looks on a background with the Yxy color 67.8253, 0.3016, 0.3245.



This preview shows how white text looks on a background with the Yxy color 67.8253, 0.3016, 0.3245.

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

67.8253, 0.3016, 0.3245

Protanopia

67.9593, 0.3115, 0.3235

Deuteranopia

67.5953, 0.3202, 0.3130



Tritanopia

67.6925, 0.2959, 0.3101

Trichromacy



Original Color

67.8253, 0.3016, 0.3245

Protanomaly

67.9143, 0.3079, 0.3234

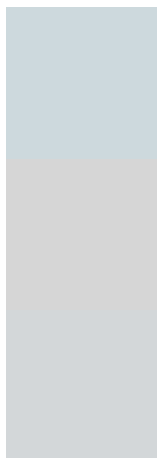
Deuteranomaly

67.3921, 0.3133, 0.3170

Tritanomaly

67.8350, 0.2978, 0.3156

Monochromacy



Original Color

67.8253, 0.3016, 0.3245

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.4595, 0.3085, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8253, 0.3016, 0.3245 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, 221)` looks like.

```
.text, #text, p{  
    color:rgb(205, 217, 221)  
}
```

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, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 217, 221) }
```

Border

The CSS property to change the border of an element to Yxy 67.8253, 0.3016, 0.3245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

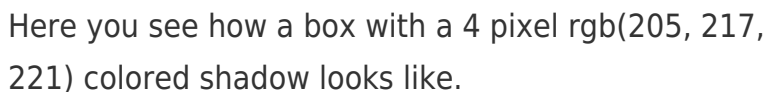
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 217, 221) }
```

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

```
.border{ border-color:rgb(205, 217, 221) }
```

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, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 217, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 217, 221);  
box-shadow:4px 4px 4px 4px rgb(205, 217,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8253, 0.3016, 0.3245 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, 221) }
```

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

```
.background{ background-color: rgb(205,  
217, 221) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor