

# Converting Colors

$Yxy(67.2077, 0.3016, 0.3336)$

Have a look what the booklet for  
Yxy(67.2077, 0.3016, 0.3336)  
contains.

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# Color

**Yxy(67.1400, 0.3019, 0.3336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7DAD6
RGB	199, 218, 214
RGB Percent	78%, 85%, 84%
CMY	0.2196, 0.1451, 0.1609
CMYK	0.09, 0.00, 0.02, 0.15
HSL	167°, 20%, 82%
HSV	167°, 9%, 85%
XYZ	60.7601, 67.1400, 73.3589
YIQ	211.8630, -10.0400, -5.2720

# Conversions

## Conversions Part 2

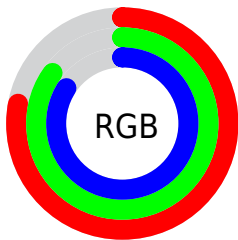
Format	Color
R <sub>Y</sub> B	199, 210, 218
Decimal	13097686
CIE Lab	85.57, -7.10, -0.20
CIE LCh	86, 7.103, 181.640
Yxy	67.1400, 0.3019, 0.3336
Android (android.graphics.Color)	4291287766 (0xFFC7DAD6)
YUV	211.8630, 1.0535, -11.2809
Hunter-Lab	81.9390, -11.0304, 4.2757

# Details

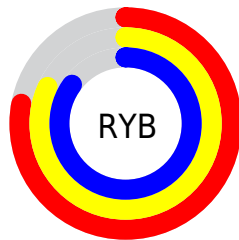
The Yxy color **67.1400, 0.3019, 0.3336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.0684, 0.3247, 0.3245**, and the grayscale version is **65.7415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.7173, 0.2995, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **64.1383, 0.2900, 0.3394**, and if you desaturate by 10%, it is **70.5812, 0.3143, 0.3284**.

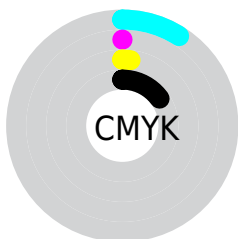
# Distribution



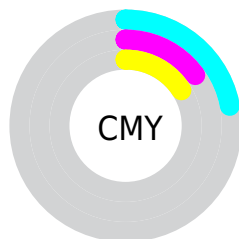
- Red (78%)
- Green (85%)
- Blue (84%)



- Red (78%)
- Yellow (82%)
- Blue (85%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (15%)



- Cyan (22%)
- Magenta (15%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1400, 0.3019, 0.3336 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 67.1400, 0.3019, 0.3336 by changing the saturation by 10% instead.



■ 67.1400, 0.3019,  
0.3336

■ 67.1400, 0.3019,  
0.3336

450.4429, 0.3070,  
0.3315

■ 49.1984, 0.3007,  
0.3341

115.1210, 0.3037,  
0.3328

■ 34.7769, 0.2993,  
0.3347

145.9292, 0.3044,  
0.3326

■ 23.4911, 0.2974,  
0.3355

181.7950, 0.3050,  
0.3323

■ 14.9565, 0.2949,  
0.3366

223.1029, 0.3055,  
0.3321

■ 8.7889, 0.2914,  
0.3380

270.2373, 0.3059,  
0.3319

■ 4.6037, 0.2864,  
0.3401

323.5825, 0.3063,

■ 2.0167, 0.2781,

0.3317

0.3436

383.5229, 0.3067,  
0.3316

0.6171, 0.2407,  
0.3595

0.0000, 0.0000,  
0.0000

67.1400, 0.3019,  
0.3336

67.1400, 0.3019,  
0.3336

64.1383, 0.2900,  
0.3394

70.5812, 0.3143,  
0.3284

61.5496, 0.2789,  
0.3457

74.4706, 0.3270,  
0.3236


59.3572, 0.2689,  
0.3524

76.9992, 0.3329,  
0.3192

57.5402, 0.2602,  
0.3596


77.2592, 0.3297,  
0.3146


 56.0756, 0.2532,  
0.3671


 77.5261, 0.3265,  
0.3101


 54.9379, 0.2481,  
0.3748

 77.8000, 0.3233,  
0.3056


 54.0981, 0.2449,  
0.3826

 78.0809, 0.3202,  
0.3012

 53.5220, 0.2436,  
0.3904

 78.3689, 0.3171,  
0.2968

 53.1572, 0.2441,  
0.3982

 78.6264, 0.3144,  
0.2930

# Harmonies

## Analogous

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



67.1400, 0.3099, 0.3404



67.1400, 0.3019, 0.3336



67.1400, 0.2968, 0.3256

# Triad

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



67.1400, 0.3019, 0.3336



67.1400, 0.3065, 0.3144



67.1400, 0.3298, 0.3391

# Complementary

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



67.1400, 0.3019, 0.3336



60.0684, 0.3247, 0.3245

# 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.



67.1400, 0.3289, 0.3321



67.1400, 0.3019, 0.3336



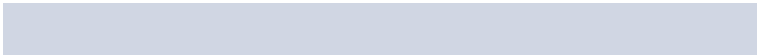
67.1400, 0.3154, 0.3180

# Square

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



67.1400, 0.3019, 0.3336



67.1400, 0.2994, 0.3146



67.1400, 0.3236, 0.3244



67.1400, 0.3261, 0.3435



# Rectangle

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



67.1400, 0.3019, 0.3336



67.1400, 0.2957, 0.3207



67.1400, 0.3236, 0.3244



67.1400, 0.3300, 0.3370

# Sweetspot

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



67.1428, 0.3019, 0.3336



98.4738, 0.3089, 0.3306



66.9835, 0.3147, 0.3510



20.9922, 0.3079, 0.3310



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

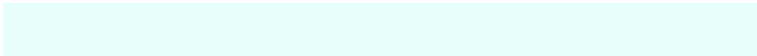


# Same Dimension

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



67.1428, 0.3019, 0.3336



95.1370, 0.3002, 0.3344



64.6038, 0.2993, 0.3228



14.7798, 0.3010, 0.3340



31.8363, 0.2439, 0.3980



2.0746, 0.2404, 0.3854



# Inverse Universe

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



60.0684, 0.3247, 0.3245



83.5685, 0.3269, 0.3237



62.4005, 0.3272, 0.3352



13.0965, 0.3258, 0.3241



9.0620, 0.6032, 0.3097

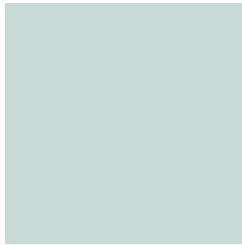


0.5999, 0.5575, 0.2845



# Previews

## White Background



This preview shows how the Yxy color 67.1400, 0.3019, 0.3336 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

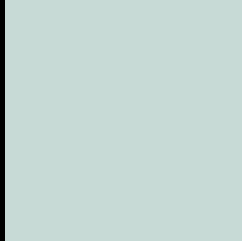
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 67.1400, 0.3019, 0.3336 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

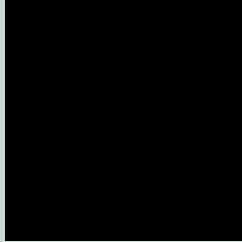
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

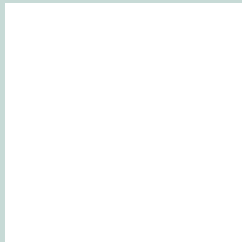
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 67.1400, 0.3019, 0.3336**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.1400, 0.3019, 0.3336.

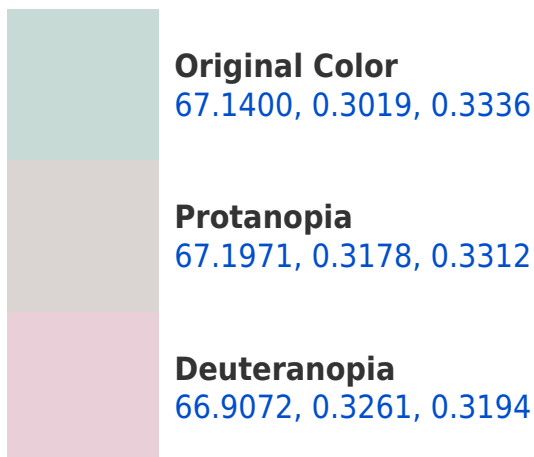


This preview shows how white text looks on a background with the Yxy color 67.1400, 0.3019, 0.3336.

# 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

66.9836, 0.2925, 0.3099

# Trichromacy



**Original Color**

67.1400, 0.3019, 0.3336

**Protanomaly**

67.2032, 0.3118, 0.3324

**Deuteranomaly**

66.8670, 0.3174, 0.3246

**Tritanomaly**

66.9655, 0.2962, 0.3188

# Monochromacy



**Original Color**

67.1400, 0.3019, 0.3336

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

66.1626, 0.3083, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.1400, 0.3019, 0.3336 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(199, 218, 214)` looks like.

```
.text, #text, p{  
    color:rgb(199, 218, 214)  
}
```

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(199, 218, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 218, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 67.1400, 0.3019, 0.3336 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(199, 218, 214) }
```

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

```
.border{ border-color:rgb(199, 218, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 218, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 218, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 218, 214);  
box-shadow:4px 4px 4px 4px rgb(199, 218,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.1400, 0.3019, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 218, 214) }
```

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

```
.background{ background-color: rgb(199,  
218, 214) }
```

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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