

Converting Colors

$Yxy(66.7648, 0.3037, 0.3233)$

Have a look what the booklet for
Yxy(66.7648, 0.3037, 0.3233)
contains.

Yxy(67.0336, 0.3036, 0.3233)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(67.0336, 0.3036, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	CFD7DC
RGB	207, 215, 220
RGB Percent	81%, 84%, 86%
CMY	0.1883, 0.1568, 0.1371
CMYK	0.06, 0.02, 0.00, 0.14
HSL	203°, 16%, 84%
HSV	203°, 6%, 86%
XYZ	62.9490, 67.0336, 77.3592
YIQ	213.1780, -6.3730, -0.1410

Conversions

Conversions Part 2

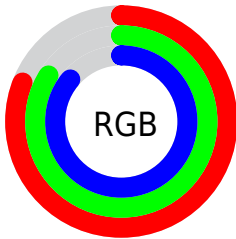
Format	Color
R_{YB}	207, 212, 220
Decimal	13621212
CIE _{Lab}	85.52, -1.76, -3.43
CIE _{LCh}	86, 3.851, 242.851
Yxy	67.0336, 0.3036, 0.3233
Android (android.graphics.Color)	4291811292 (0xFFCFD7DC)
YUV	213.1780, 3.3632, -5.4181
Hunter-Lab	81.8740, -6.0396, 1.2913

Details

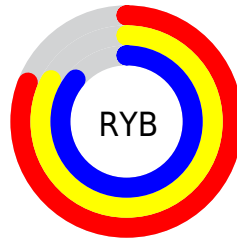
The Yxy color **67.0336, 0.3036, 0.3233** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **66.8151, 0.3222, 0.3346**, and the grayscale version is **66.6454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **34.6305, 0.3018, 0.3216** is the 20% darker color. If you saturate the color by 10%, you get **59.8810, 0.2880, 0.3129**, and if you desaturate by 10%, it is **74.8570, 0.3189, 0.3327**.

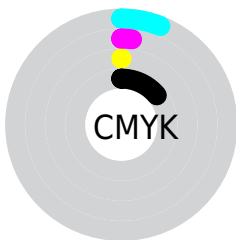
Distribution



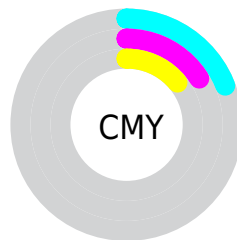
- Red (81%)
- Green (84%)
- Blue (86%)



- Red (81%)
- Yellow (83%)
- Blue (86%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (14%)



- Cyan (19%)
- Magenta (16%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.0336, 0.3036, 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 67.0336, 0.3036, 0.3233 by changing the saturation by 10% instead.

■ 67.0336, 0.3036,
0.3233

■ 67.0336, 0.3036,
0.3233

450.0644, 0.3079,
0.3260

■ 49.1119, 0.3026,
0.3227

114.9686, 0.3051,
0.3242

■ 34.7083, 0.3014,
0.3219

145.7506, 0.3057,
0.3246

■ 23.4382, 0.2998,
0.3209

181.5883, 0.3062,
0.3249

■ 14.9174, 0.2977,
0.3195

222.8660, 0.3066,
0.3252

■ 8.7615, 0.2948,
0.3177

269.9680, 0.3070,
0.3254

■ 4.5859, 0.2906,
0.3149

323.2788, 0.3073,

■ 2.0064, 0.2837,

0.3256

0.3104

383.1828, 0.3076,
0.3258

0.6112, 0.2619,
0.2975

0.0000, 0.0000,
0.0000

67.0336, 0.3036,
0.3233

67.0336, 0.3036,
0.3233

59.8810, 0.2880,
0.3129

74.8570, 0.3189,
0.3327

53.3693, 0.2723,
0.3014

83.3631, 0.3336,
0.3410

47.4784, 0.2569,
0.2888

89.0020, 0.3353,
0.3492

42.1838, 0.2420,
0.2754

94.1197, 0.3341,
0.3573

■ 37.4591, 0.2282,
0.2612

■ 97.9495, 0.3333,
0.3631

■ 33.2755, 0.2157,
0.2464

■ 29.6007, 0.2051,
0.2314

■ 26.3975, 0.1965,
0.2165

■ 23.6208, 0.1901,
0.2019

Harmonies

Analogous

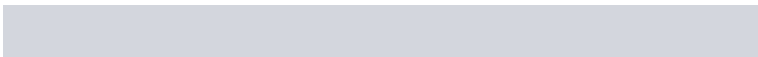
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0336, 0.3040, 0.3270



67.0336, 0.3036, 0.3233



67.0336, 0.3056, 0.3211

Triad

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



67.0336, 0.3036, 0.3233



67.0336, 0.3188, 0.3267



67.0336, 0.3158, 0.3371

Complementary

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



67.0336, 0.3036, 0.3233



66.8151, 0.3222, 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.



67.0336, 0.3198, 0.3369



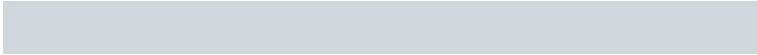
67.0336, 0.3036, 0.3233



67.0336, 0.3215, 0.3309

Square

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



67.0336, 0.3036, 0.3233



67.0336, 0.3144, 0.3231



67.0336, 0.3219, 0.3347



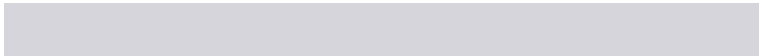
67.0336, 0.3110, 0.3350

Rectangle

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



67.0336, 0.3036, 0.3233



67.0336, 0.3081, 0.3209



67.0336, 0.3219, 0.3347



67.0336, 0.3173, 0.3373

Sweetspot

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



67.0364, 0.3036, 0.3233



97.7989, 0.3096, 0.3271



69.2223, 0.3087, 0.3381



20.9561, 0.3098, 0.3272



0.0000, 0.0000, 0.0000



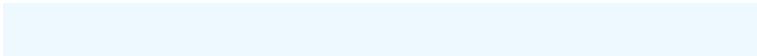
21.4041, 0.3127, 0.3290

Same Dimension

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



67.0364, 0.3036, 0.3233



92.4631, 0.3019, 0.3222



63.7853, 0.3037, 0.3159



14.2421, 0.3011, 0.3217



13.4711, 0.1884, 0.1983



1.0377, 0.1950, 0.2219

Inverse Universe

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



64.7410, 0.3169, 0.3201



88.7004, 0.3178, 0.3184



70.1372, 0.3216, 0.3418



13.6226, 0.3181, 0.3176



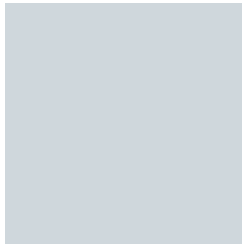
9.9837, 0.4472, 0.2237



0.6634, 0.4212, 0.2094

Previews

White Background



This preview shows how the Yxy color 67.0336, 0.3036, 0.3233 looks on a white background.

Color Contrast Check

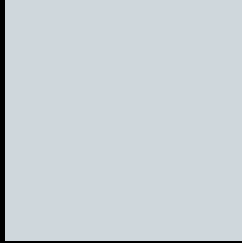
Large Text (above 18pt) WCAG AA × Fail

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 67.0336, 0.3036, 0.3233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

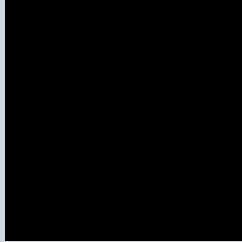
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

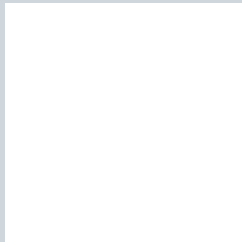
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.0336, 0.3036, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 67.0336, 0.3036, 0.3233.

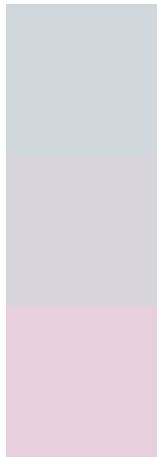


This preview shows how white text looks on a background with the Yxy color 67.0336, 0.3036, 0.3233.

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

67.0336, 0.3036, 0.3233

Protanopia

66.8004, 0.3109, 0.3212

Deuteranopia

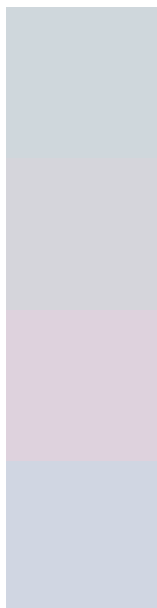
66.8885, 0.3202, 0.3129



Tritanopia

66.8570, 0.2986, 0.3101

Trichromacy



Original Color

67.0336, 0.3036, 0.3233

Protanomaly

66.8491, 0.3087, 0.3223

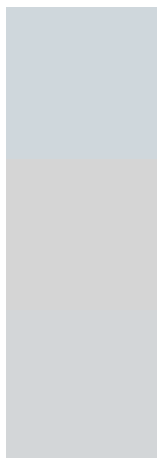
Deuteranomaly

66.8432, 0.3140, 0.3170

Tritanomaly

66.9940, 0.3005, 0.3156

Monochromacy



Original Color

67.0336, 0.3036, 0.3233

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.8999, 0.3092, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0336, 0.3036, 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(207, 215, 220)` looks like.

```
.text, #text, p{  
    color:rgb(207, 215, 220)  
}
```

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(207, 215, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 215, 220) }
```

Border

The CSS property to change the border of an element to Yxy 67.0336, 0.3036, 0.3233 is called "border". The border property can be set on classes, ids or directly on the HTML element.

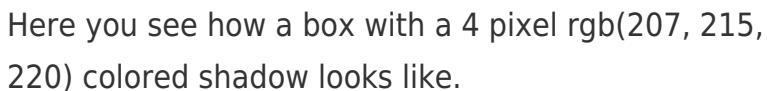
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 215, 220) }
```

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

```
.border{ border-color:rgb(207, 215, 220) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 215, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 215, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 215, 220);  
box-shadow:4px 4px 4px 4px rgb(207, 215,  
220) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 67.0336, 0.3036, 0.3233$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 215, 220) }
```

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

```
.background{ background-color: rgb(207,  
215, 220) }
```

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