

Converting Colors

$Yxy(68.1003, 0.3004, 0.3335)$

Have a look what the booklet for
Yxy(68.1003, 0.3004, 0.3335)
contains.

Yxy(68.2864, 0.3006, 0.3335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.2864, 0.3006, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	C7DCD8
RGB	199, 220, 216
RGB Percent	78%, 86%, 85%
CMY	0.2195, 0.1373, 0.1528
CMYK	0.10, 0.00, 0.02, 0.14
HSL	169°, 23%, 82%
HSV	169°, 10%, 86%
XYZ	61.5499, 68.2864, 74.9205
YIQ	213.2650, -11.2320, -5.6960

Conversions

Conversions Part 2

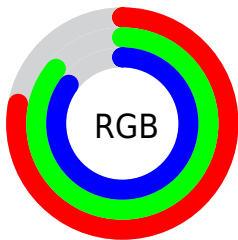
Format	Color
R _Y B	199, 211, 220
Decimal	13098200
CIE Lab	86.15, -7.72, -0.45
CIE LCh	86, 7.732, 183.318
Yxy	68.2864, 0.3006, 0.3335
Android (android.graphics.Color)	4291288280 (0xFFC7DCD8)
YUV	213.2650, 1.3484, -12.5104
Hunter-Lab	82.6356, -11.6592, 4.0904

Details

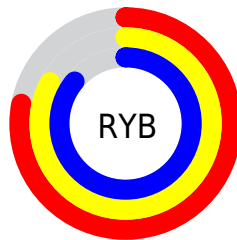
The Yxy color **68.2864, 0.3006, 0.3335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.3883, 0.3264, 0.3246**, and the grayscale version is **66.7284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.5032, 0.2979, 0.3350** is the 20% darker color. If you saturate the color by 10%, you get **65.2811, 0.2884, 0.3387**, and if you desaturate by 10%, it is **71.7380, 0.3133, 0.3288**.

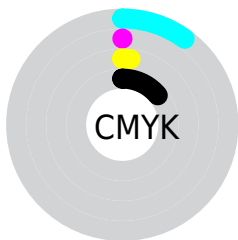
Distribution



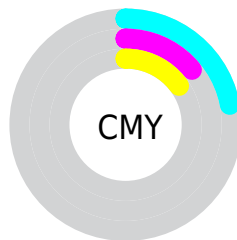
- Red (78%)
- Green (86%)
- Blue (85%)



- Red (78%)
- Yellow (83%)
- Blue (86%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)



- Cyan (22%)
- Magenta (14%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2864, 0.3006, 0.3335 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 68.2864, 0.3006, 0.3335 by changing the saturation by 10% instead.

■ 68.2864, 0.3006,
0.3335

■ 68.2864, 0.3006,
0.3335

454.5101, 0.3063,
0.3314

■ 50.1308, 0.2993,
0.3340

116.7618, 0.3026,
0.3328

■ 35.5173, 0.2977,
0.3346

147.8503, 0.3033,
0.3325

■ 24.0616, 0.2956,
0.3353

184.0186, 0.3040,
0.3322

■ 15.3794, 0.2928,
0.3363

225.6510, 0.3046,
0.3320

■ 9.0861, 0.2890,
0.3377

273.1320, 0.3051,
0.3319

■ 4.7974, 0.2835,
0.3397

326.8459, 0.3055,

■ 2.1289, 0.2745,

0.3317

0.3430

387.1771, 0.3059,
0.3315

0.6808, 0.2399,
0.3561

0.0000, 0.0000,
0.0000

68.2864, 0.3006,
0.3335

68.2864, 0.3006,
0.3335

65.2811, 0.2884,
0.3387

71.7380, 0.3133,
0.3288

62.6948, 0.2771,
0.3443


75.6446, 0.3264,
0.3245

60.5104, 0.2670,
0.3504


78.0735, 0.3322,
0.3206

58.7063, 0.2583,
0.3567

78.3081, 0.3293,
0.3164

 57.2590, 0.2512,
0.3634

 78.5484, 0.3265,
0.3124


 56.1420, 0.2461,
0.3702

 78.7943, 0.3236,
0.3083

 55.3254, 0.2429,
0.3771

 79.0459, 0.3208,
0.3043

 54.7737, 0.2416,
0.3840

 79.3033, 0.3180,
0.3003

 54.4273, 0.2420,
0.3908

 79.5664, 0.3153,
0.2964

Harmonies

Analogous

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



68.2864, 0.3091, 0.3411



68.2864, 0.3006, 0.3335



68.2864, 0.2953, 0.3248

Triad

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



68.2864, 0.3006, 0.3335



68.2864, 0.3065, 0.3133



68.2864, 0.3311, 0.3403

Complementary

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



68.2864, 0.3006, 0.3335



60.3883, 0.3264, 0.3246

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.



68.2864, 0.3304, 0.3328



68.2864, 0.3006, 0.3335



68.2864, 0.3161, 0.3174

Square

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



68.2864, 0.3006, 0.3335



68.2864, 0.2987, 0.3133



68.2864, 0.3249, 0.3245



68.2864, 0.3268, 0.3449

Rectangle

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



68.2864, 0.3006, 0.3335



68.2864, 0.2943, 0.3196



68.2864, 0.3249, 0.3245



68.2864, 0.3315, 0.3380

Sweetspot

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



68.2893, 0.3006, 0.3335



98.4850, 0.3088, 0.3304



68.0365, 0.3146, 0.3532



20.9953, 0.3078, 0.3308



0.0000, 0.0000, 0.0000



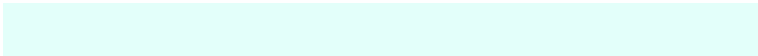
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2893, 0.3006, 0.3335



94.7257, 0.2987, 0.3343



65.2579, 0.2980, 0.3217



14.7851, 0.3007, 0.3335



31.9518, 0.2417, 0.3901



2.0811, 0.2386, 0.3789

Inverse Universe

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



60.3883, 0.3264, 0.3246



82.0116, 0.3289, 0.3238



63.1562, 0.3286, 0.3362



13.0916, 0.3262, 0.3246



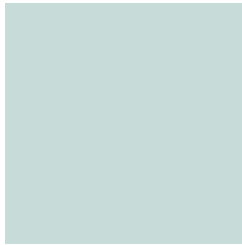
9.0386, 0.6093, 0.3130



0.5976, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 68.2864, 0.3006, 0.3335 looks on a white background.

Color Contrast Check

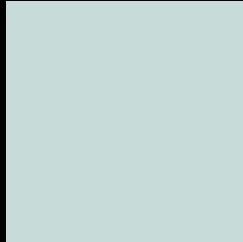
Large Text (above 18pt) WCAG AA × Fail

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 68.2864, 0.3006, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

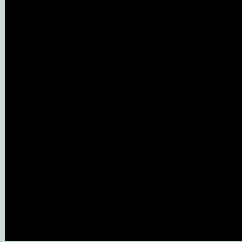
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

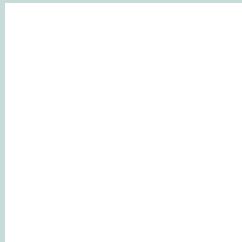
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2864, 0.3006, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 68.2864, 0.3006, 0.3335.

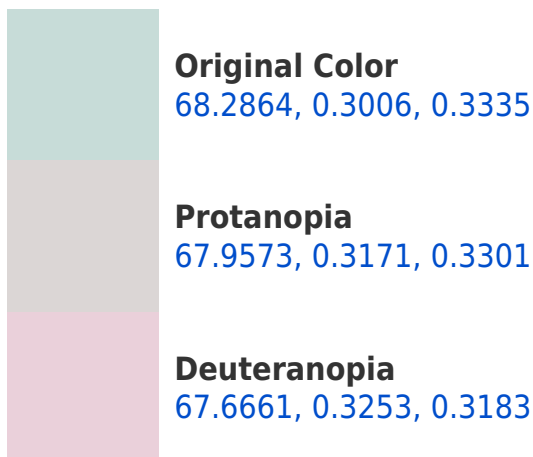


This preview shows how white text looks on a background with the Yxy color 68.2864, 0.3006, 0.3335.

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

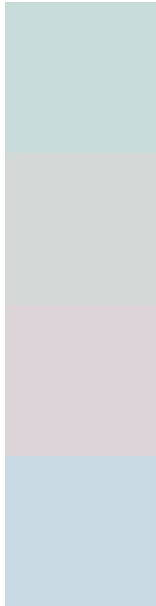




Tritanopia

68.1228, 0.2913, 0.3100

Trichromacy



Original Color

68.2864, 0.3006, 0.3335

Protanomaly

67.9638, 0.3112, 0.3312

Deuteranomaly

67.4689, 0.3159, 0.3235

Tritanomaly

68.1064, 0.2950, 0.3188

Monochromacy



Original Color

68.2864, 0.3006, 0.3335

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.3767, 0.3083, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2864, 0.3006, 0.3335 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, 220, 216)` looks like.

```
.text, #text, p{  
    color:rgb(199, 220, 216)  
}
```

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, 220, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 220, 216) }
```

Border

The CSS property to change the border of an element to Yxy 68.2864, 0.3006, 0.3335 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, 220, 216) }
```

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

```
.border{ border-color:rgb(199, 220, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 220, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 220, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 220, 216);  
box-shadow:4px 4px 4px 4px rgb(199, 220,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2864, 0.3006, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 220, 216) }
```

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

```
.background{ background-color: rgb(199,  
220, 216) }
```

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