

Converting Colors

Yxy(63.4315, 0.3107, 0.3331)

Have a look what the booklet for
Yxy(63.4315, 0.3107, 0.3331)
contains.

Yxy(63.3868, 0.3110, 0.3336)	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(63.3868, 0.3110, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	CCD2CE
RGB	204, 210, 206
RGB Percent	80%, 82%, 81%
CMY	0.2000, 0.1765, 0.1921
CMYK	0.03, 0.00, 0.02, 0.18
HSL	140°, 6%, 81%
HSV	140°, 3%, 82%
XYZ	59.0926, 63.3868, 67.5290
YIQ	207.7500, -2.2920, -2.5160

Conversions

Conversions Part 2

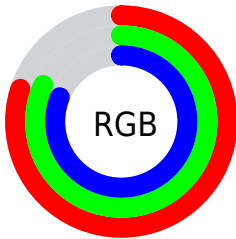
Format	Color
R_{YB}	204, 209, 210
Decimal	13423310
CIE Lab	83.65, -2.76, 1.24
CIE LCh	84, 3.029, 155.749
Yxy	63.3868, 0.3110, 0.3336
Android (android.graphics.Color)	4291613390 (0xFFCCD2CE)
YUV	207.7500, -0.8628, -3.2887
Hunter-Lab	79.6158, -6.8411, 5.4422

Details

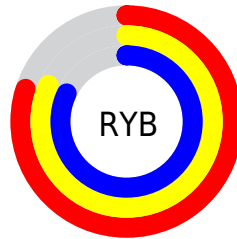
The Yxy color **63.3868, 0.3110, 0.3336** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.4440, 0.3145, 0.3244**, and the grayscale version is **62.9160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.5280, 0.3105, 0.3351** is the 20% darker color. If you saturate the color by 10%, you get **59.9721, 0.3050, 0.3511**, and if you desaturate by 10%, it is **67.2670, 0.3170, 0.3182**.

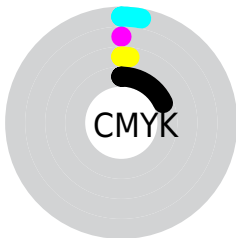
Distribution



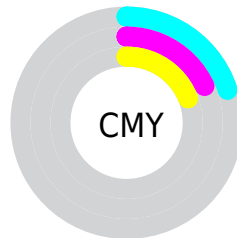
- Red (80%)
- Green (82%)
- Blue (81%)



- Red (80%)
- Yellow (82%)
- Blue (82%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)



- Cyan (20%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3868, 0.3110, 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 63.3868, 0.3110, 0.3336 by changing the saturation by 10% instead.

■ 63.3868, 0.3110,
0.3336

■ 63.3868, 0.3110,
0.3336

436.9719, 0.3118,
0.3314

■ 46.1542, 0.3108,
0.3341

109.7274, 0.3113,
0.3328

■ 32.3675, 0.3106,
0.3348

139.6041, 0.3114,
0.3325

■ 21.6424, 0.3102,
0.3356

174.4643, 0.3115,
0.3323

■ 13.5944, 0.3098,
0.3367

214.6925, 0.3116,
0.3321

■ 7.8391, 0.3092,
0.3383

260.6729, 0.3117,
0.3319

■ 3.9922, 0.3083,
0.3406

312.7900, 0.3117,

■ 1.6692, 0.3068,

0.3317

0.3447

371.4282, 0.3118,
0.3316

0.4036, 0.2949,
0.3764

0.0000, 0.0000,
0.0000

63.3868, 0.3110,
0.3336

63.3868, 0.3110,
0.3336

59.9721, 0.3050,
0.3511

67.2670, 0.3170,
0.3182

56.9973, 0.2991,
0.3706

71.6210, 0.3228,
0.3047

54.4465, 0.2936,
0.3922

74.1184, 0.3197,
0.2918

52.2999, 0.2888,
0.4157

74.5736, 0.3148,
0.2851

■ 50.5359, 0.2848,
0.4407

■ 49.1308, 0.2822,
0.4664

■ 48.0584, 0.2812,
0.4919

■ 47.2885, 0.2819,
0.5161

■ 46.7850, 0.2843,
0.5380

Harmonies

Analogous

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



63.3868, 0.3149, 0.3354



63.3868, 0.3110, 0.3336



63.3868, 0.3076, 0.3306

Triad

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



63.3868, 0.3110, 0.3336



63.3868, 0.3073, 0.3226



63.3868, 0.3199, 0.3309

Complementary

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



63.3868, 0.3110, 0.3336



61.4440, 0.3145, 0.3244

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.



63.3868, 0.3179, 0.3275



63.3868, 0.3110, 0.3336



63.3868, 0.3106, 0.3227

Square

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



63.3868, 0.3110, 0.3336



63.3868, 0.3055, 0.3242



63.3868, 0.3144, 0.3245



63.3868, 0.3200, 0.3338

Rectangle

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



63.3868, 0.3110, 0.3336



63.3868, 0.3061, 0.3282



63.3868, 0.3144, 0.3245



63.3868, 0.3194, 0.3297

Sweetspot

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



63.3895, 0.3110, 0.3336



99.4111, 0.3121, 0.3306



63.8639, 0.3154, 0.3359



21.2843, 0.3121, 0.3305



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.



63.3895, 0.3110, 0.3336



98.2555, 0.3109, 0.3339



63.5355, 0.3090, 0.3301



13.6970, 0.3105, 0.3351



28.4087, 0.2859, 0.5491



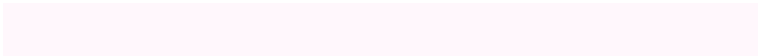
1.6031, 0.2753, 0.5110

Inverse Universe

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



61.4440, 0.3145, 0.3244



95.0509, 0.3146, 0.3242



61.2989, 0.3166, 0.3279



13.1433, 0.3151, 0.3230



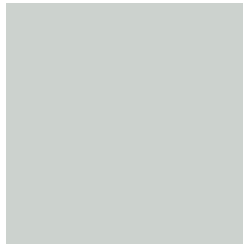
9.5185, 0.4279, 0.2131



0.5467, 0.4034, 0.1996

Previews

White Background



This preview shows how the Yxy color 63.3868, 0.3110, 0.3336 looks on a white background.

Color Contrast Check

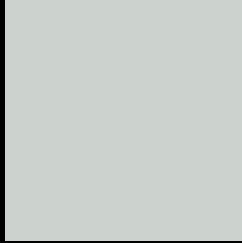
Large Text (above 18pt) WCAG AA × Fail

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 63.3868, 0.3110, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

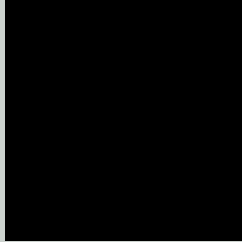
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

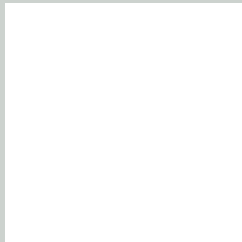
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.3868, 0.3110, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 63.3868, 0.3110, 0.3336.



This preview shows how white text looks on a background with the Yxy color 63.3868, 0.3110, 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



Original Color

63.3868, 0.3110, 0.3336

Protanopia

63.1796, 0.3187, 0.3313

Deuteranopia

63.4531, 0.3294, 0.3225



Tritanopia

63.2729, 0.3011, 0.3098

Trichromacy



Original Color

63.3868, 0.3110, 0.3336

Protanomaly

63.2212, 0.3163, 0.3325

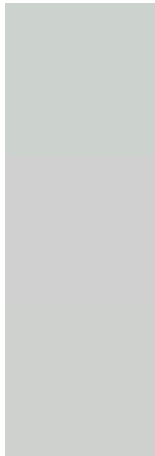
Deuteranomaly

63.3833, 0.3228, 0.3268

Tritanomaly

63.2433, 0.3050, 0.3187

Monochromacy



Original Color

63.3868, 0.3110, 0.3336

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

63.3713, 0.3126, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.3868, 0.3110, 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(204, 210, 206)` looks like.

```
.text, #text, p{  
    color:rgb(204, 210, 206)  
}
```

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(204, 210, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 210, 206) }
```

Border

The CSS property to change the border of an element to Yxy 63.3868, 0.3110, 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(204, 210, 206) }
```

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

```
.border{ border-color:rgb(204, 210, 206) }
```

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

Here you see how a box with a 4 pixel rgb(204, 210, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 210, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 210, 206);  
box-shadow:4px 4px 4px 4px rgb(204, 210,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 63.3868, 0.3110, 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(204, 210, 206) }
```

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

```
.background{ background-color: rgb(204,  
210, 206) }
```

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