

Converting Colors

$Y_{xy}(33.7896, 0.2903, 0.3332)$

Have a look what the booklet for
Yxy(33.7896, 0.2903, 0.3332)
contains.

Yxy(33.8833, 0.2898, 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(33.8833, 0.2898, 0.3336)

Conversions

Conversions Part 1

Format	Color
Hex	87A3A0
RGB	135, 163, 160
RGB Percent	53%, 64%, 63%
CMY	0.4706, 0.3608, 0.3725
CMYK	0.17, 0.00, 0.02, 0.36
HSL	174°, 13%, 58%
HSV	174°, 17%, 64%
XYZ	29.4346, 33.8833, 38.2508
YIQ	154.2860, -15.7250, -6.8690

Conversions

Conversions Part 2

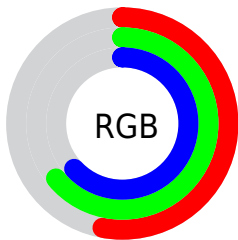
Format	Color
RYB	135, 150, 163
Decimal	8889248
CIELab	64.87, -10.30, -1.69
CIELCh	65, 10.434, 189.319
Yxy	33.8833, 0.2898, 0.3336
Android (android.graphics.Color)	4287079328 (0xFF87A3A0)
YUV	154.2860, 2.8170, -16.9138
Hunter-Lab	58.2094, -11.6047, 1.7857

Details

The Yxy color **33.8833, 0.2898, 0.3336** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.9498, 0.3414, 0.3245**, and the grayscale version is **32.4405, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8679, 0.2944, 0.3325**, and **14.4043, 0.2822, 0.3334** is the 20% darker color. If you saturate the color by 10%, you get **32.5740, 0.2775, 0.3366**, and if you desaturate by 10%, it is **35.4033, 0.3029, 0.3308**.

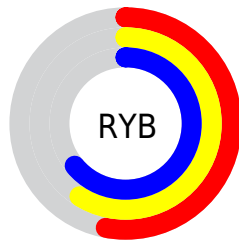
Distribution



Red (53%)

Green (64%)

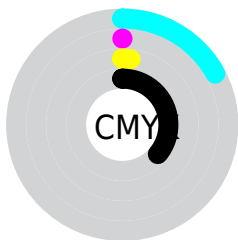
Blue (63%)



Red (53%)

Yellow (59%)

Blue (64%)

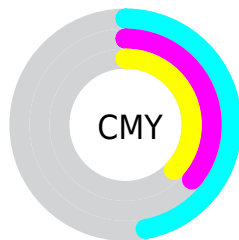


Cyan (17%)

Magenta (0%)

Yellow (2%)

Black (36%)



Cyan (47%)


Magenta (36%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8833, 0.2898, 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 33.8833, 0.2898, 0.3336 by changing the saturation by 10% instead.


 33.8833, 0.2898,
0.3336


 33.8833, 0.2898,
0.3336


319.6114, 0.3018,
0.3313


 22.8040, 0.2866,
0.3342


 65.7522, 0.2943,
0.3327

 14.4488, 0.2824,
0.3350


 87.3105, 0.2960,
0.3324

 8.4335, 0.2765,
0.3361


 113.1305, 0.2973,
0.3321

 4.3736, 0.2678,
0.3376

143.5968, 0.2985,
0.3319

 1.8846, 0.2537,
0.3399

179.0936, 0.2995,
0.3317

 0.5391, 0.1734,
0.3581

220.0054, 0.3004,

 0.0000, 0.0000,

0.3315

0.0000

266.7165, 0.3012,
0.3314

■ 33.8833, 0.2898,
0.3336

■ 33.8833, 0.2898,
0.3336

■ 32.5740, 0.2775,
0.3366

■ 35.4033, 0.3029,
0.3308

■ 31.4617, 0.2664,
0.3398

■ 37.1385, 0.3166,
0.3283

■ 30.5378, 0.2567,
0.3432

■ 39.0987, 0.3307,
0.3260

■ 29.7913, 0.2486,
0.3467

■ 41.2917, 0.3448,
0.3240

■ 29.2100, 0.2423,
0.3503

■ 43.7249, 0.3589,
0.3222

■ 28.7802, 0.2378,
0.3539

■ 46.4055, 0.3727,
0.3207

■ 28.4860, 0.2352,
0.3575

■ 49.3403, 0.3861,
0.3193

■ 28.3027, 0.2341,
0.3611

■ 50.5091, 0.3898,
0.3177

■ 28.2577, 0.2339,
0.3621

■ 50.5775, 0.3881,
0.3159

Harmonies

Analogous

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



33.8833, 0.3033, 0.3475



33.8833, 0.2898, 0.3336



33.8833, 0.2824, 0.3188

Triad

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



33.8833, 0.2898, 0.3336



33.8833, 0.3052, 0.3035



33.8833, 0.3434, 0.3501

Complementary

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



33.8833, 0.2898, 0.3336



26.9498, 0.3414, 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.



33.8833, 0.3440, 0.3379



33.8833, 0.2898, 0.3336



33.8833, 0.3217, 0.3115

Square

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



33.8833, 0.2898, 0.3336



33.8833, 0.2911, 0.3019



33.8833, 0.3360, 0.3239



33.8833, 0.3343, 0.3569

Rectangle

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



33.8833, 0.2898, 0.3336



33.8833, 0.2818, 0.3105



33.8833, 0.3360, 0.3239



33.8833, 0.3446, 0.3464

Sweetspot

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



33.8847, 0.2898, 0.3336



64.0181, 0.3057, 0.3303



33.3707, 0.3137, 0.3739



14.3334, 0.3048, 0.3305



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.8847, 0.2898, 0.3336



59.6500, 0.2845, 0.3348



30.3392, 0.2866, 0.3120



7.9982, 0.3001, 0.3314



21.9648, 0.2338, 0.3618



0.4650, 0.2302, 0.3487

Inverse Universe

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



26.9498, 0.3414, 0.3245



44.6339, 0.3502, 0.3233



30.0122, 0.3420, 0.3455



7.0977, 0.3269, 0.3266



6.0876, 0.6245, 0.3214



0.1313, 0.5651, 0.2886

Previews

White Background



This preview shows how the Yxy color 33.8833, 0.2898, 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 33.8833, 0.2898, 0.3336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

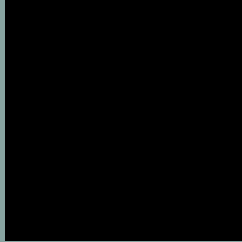
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

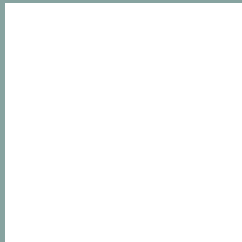
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8833, 0.2898, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 33.8833, 0.2898, 0.3336.

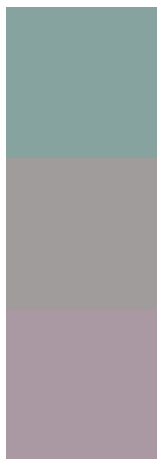


This preview shows how white text looks on a background with the Yxy color 33.8833, 0.2898, 0.3336.

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

33.8833, 0.2898, 0.3336

Protanopia

33.6508, 0.3167, 0.3290

Deuteranopia

33.6112, 0.3214, 0.3147



Tritanopia

33.9490, 0.2811, 0.3092

Trichromacy



Original Color

33.8833, 0.2898, 0.3336

Protanomaly

33.8099, 0.3068, 0.3320

Deuteranomaly

33.5182, 0.3092, 0.3216

Tritanomaly

34.0236, 0.2843, 0.3182

Monochromacy



Original Color

33.8833, 0.2898, 0.3336

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.7173, 0.3040, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8833, 0.2898, 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(135, 163, 160)` looks like.

```
.text, #text, p{  
    color:rgb(135, 163, 160)  
}
```

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(135, 163, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 163, 160) }
```

Border

The CSS property to change the border of an element to Yxy 33.8833, 0.2898, 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(135, 163, 160) }
```

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

```
.border{ border-color:rgb(135, 163, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 163, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 163, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 163, 160);  
box-shadow:4px 4px 4px 4px rgb(135, 163,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8833, 0.2898, 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(135, 163, 160) }
```

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

```
.background{ background-color: rgb(135,  
163, 160) }
```

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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