

Converting Colors

$Y_{xy}(32.9773, 0.2869, 0.3478)$

Have a look what the booklet for
Yxy(32.9773, 0.2869, 0.3478)
contains.

Yxy(33.1030, 0.2868, 0.3484)	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(33.1030, 0.2868, 0.3484)

Conversions

Conversions Part 1

Format	Color
Hex	7CA498
RGB	124, 164, 152
RGB Percent	49%, 64%, 60%
CMY	0.5139, 0.3568, 0.4039
CMYK	0.24, 0.00, 0.07, 0.36
HSL	162°, 18%, 56%
HSV	162°, 24%, 64%
XYZ	27.2501, 33.1030, 34.6612
YIQ	150.6720, -19.9880, -12.2120

Conversions

Conversions Part 2

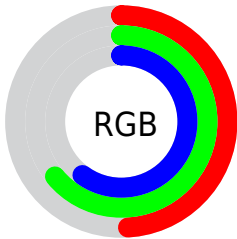
Format	Color
RYB	124, 148, 164
Decimal	8168600
CIELab	64.24, -16.18, 1.79
CIElCh	64, 16.283, 173.683
Yxy	33.1030, 0.2868, 0.3484
Android (android.graphics.Color)	4286358680 (0xFF7CA498)
YUV	150.6720, 0.6547, -23.3913
Hunter-Lab	57.5352, -16.1445, 4.5563

Details

The Yxy color **33.1030, 0.2868, 0.3484** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.0735, 0.3477, 0.3105**, and the grayscale version is **30.8004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4664, 0.2920, 0.3447**, and **13.9838, 0.2785, 0.3551** is the 20% darker color. If you saturate the color by 10%, you get **31.8251, 0.2773, 0.3576**, and if you desaturate by 10%, it is **34.5935, 0.2971, 0.3399**.

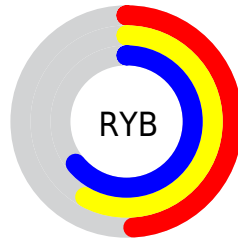
Distribution



Red (49%)

Green (64%)

Blue (60%)



Red (49%)

Yellow (58%)

Blue (64%)

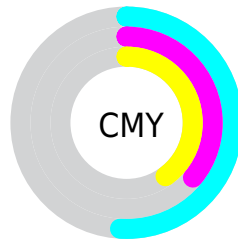


Cyan (24%)

Magenta (0%)

Yellow (7%)

Black (36%)



Cyan (51%)


Magenta (36%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.1030, 0.2868, 0.3484 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 33.1030, 0.2868, 0.3484 by changing the saturation by 10% instead.

 33.1030, 0.2868,
0.3484


 33.1030, 0.2868,
0.3484


316.1136, 0.3005,
0.3381


 22.2054, 0.2831,
0.3512


 64.5363, 0.2920,
0.3445

 14.0079, 0.2782,
0.3550


 85.8408, 0.2939,
0.3431

 8.1261, 0.2713,
0.3603


 111.3829, 0.2954,
0.3419

 4.1758, 0.2609,
0.3683

141.5472, 0.2968,
0.3409

 1.7724, 0.2438,
0.3818

176.7181, 0.2979,
0.3400

 0.4699, 0.0567,
0.5176

217.2798, 0.2989,

 0.0000, 0.0000,

0.3393

0.0000

263.6169, 0.2998,
0.3386

■ 33.1030, 0.2868,
0.3484

■ 33.1030, 0.2868,
0.3484

■ 31.8251, 0.2773,
0.3576

■ 34.5935, 0.2971,
0.3399

■ 30.7457, 0.2690,
0.3675

■ 36.3019, 0.3078,
0.3322

■ 29.8550, 0.2620,
0.3780

■ 38.2386, 0.3189,
0.3252

■ 29.1410, 0.2566,
0.3889

■ 40.4117, 0.3301,
0.3190

■ 28.5902, 0.2531,
0.4000

■ 42.8293, 0.3412,
0.3135

■ 28.1872, 0.2515,
0.4113

■ 45.4989, 0.3520,
0.3086

■ 27.9131, 0.2518,
0.4224

■ 48.4277, 0.3626,
0.3043

■ 27.7902, 0.2524,
0.4286

■ 51.5919, 0.3727,
0.3006

■ 51.8125, 0.3680,
0.2956

Harmonies

Analogous

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



33.1030, 0.3108, 0.3672



33.1030, 0.2868, 0.3484



33.1030, 0.2701, 0.3243

Triad

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



33.1030, 0.2868, 0.3484



33.1030, 0.2884, 0.2869



33.1030, 0.3635, 0.3521

Complementary

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



33.1030, 0.2868, 0.3484



24.0735, 0.3477, 0.3105

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.



33.1030, 0.3572, 0.3311



33.1030, 0.2868, 0.3484



33.1030, 0.3130, 0.2945

Square

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



33.1030, 0.2868, 0.3484



33.1030, 0.2710, 0.2896



33.1030, 0.3384, 0.3104



33.1030, 0.3556, 0.3683

Rectangle

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



33.1030, 0.2868, 0.3484



33.1030, 0.2650, 0.3093



33.1030, 0.3384, 0.3104



33.1030, 0.3630, 0.3454

Sweetspot

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



33.1044, 0.2868, 0.3484



65.0033, 0.3049, 0.3342



33.2414, 0.3208, 0.3941



14.1729, 0.3043, 0.3346



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.



33.1044, 0.2868, 0.3484



58.8443, 0.2818, 0.3530



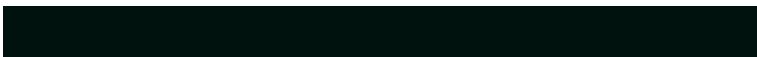
30.7396, 0.2765, 0.3160



7.9749, 0.3026, 0.3358



21.3130, 0.2521, 0.4276



0.4556, 0.2409, 0.3874

Inverse Universe

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



24.0735, 0.3477, 0.3105



39.7382, 0.3574, 0.3064



25.8407, 0.3595, 0.3416



7.1193, 0.3240, 0.3223



6.2302, 0.5717, 0.2923



0.1389, 0.4752, 0.2391

Previews

White Background



This preview shows how the Yxy color 33.1030, 0.2868, 0.3484 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 33.1030, 0.2868, 0.3484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

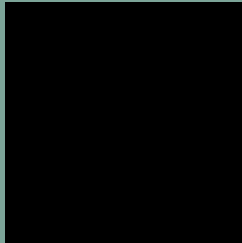
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1030, 0.2868, 0.3484

Background



This preview shows how black text looks on a background with the Yxy color 33.1030, 0.2868, 0.3484.

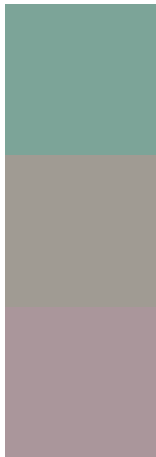


This preview shows how white text looks on a background with the Yxy color 33.1030, 0.2868, 0.3484.

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

33.1030, 0.2868, 0.3484

Protanopia

33.0229, 0.3252, 0.3411

Deuteranopia

32.7253, 0.3284, 0.3218



Tritanopia

33.1349, 0.2729, 0.3088

Trichromacy



Original Color

33.1030, 0.2868, 0.3484

Protanomaly

32.8267, 0.3101, 0.3430

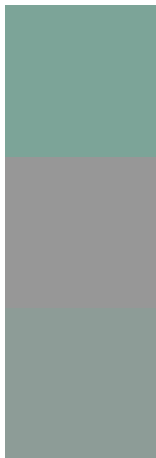
Deuteranomaly

32.5481, 0.3117, 0.3305

Tritanomaly

33.1059, 0.2783, 0.3226

Monochromacy



Original Color

33.1030, 0.2868, 0.3484

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6740, 0.3027, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1030, 0.2868, 0.3484 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(124, 164, 152)` looks like.

```
.text, #text, p{  
    color:rgb(124, 164, 152)  
}
```

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(124, 164, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 164, 152) }
```

Border

The CSS property to change the border of an element to Yxy 33.1030, 0.2868, 0.3484 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(124, 164, 152) }
```

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

```
.border{ border-color:rgb(124, 164, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 164, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 164, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 164, 152);  
box-shadow:4px 4px 4px 4px rgb(124, 164,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1030, 0.2868, 0.3484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 164, 152) }
```

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

```
.background{ background-color: rgb(124,  
164, 152) }
```

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