

Converting Colors

$Yxy(33.6496, 0.2897, 0.3368)$

Have a look what the booklet for
Yxy(33.6496, 0.2897, 0.3368)
contains.

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Color

Yxy(33.6496, 0.2897, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	85A39E
RGB	133, 163, 158
RGB Percent	52%, 64%, 62%
CMY	0.4783, 0.3608, 0.3804
CMYK	0.18, 0.00, 0.03, 0.36
HSL	170°, 14%, 58%
HSV	170°, 18%, 64%
XYZ	28.9439, 33.6496, 37.3163
YIQ	153.4600, -16.2750, -7.9150

Conversions

Conversions Part 2

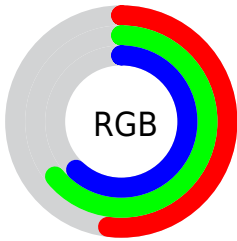
Format	Color
RYB	133, 149, 163
Decimal	8758174
CIELab	64.68, -11.38, -0.85
CIElCh	65, 11.416, 184.282
Yxy	33.6496, 0.2897, 0.3368
Android (android.graphics.Color)	4286948254 (0xFF85A39E)
YUV	153.4600, 2.2382, -17.9434
Hunter-Lab	58.0083, -12.4500, 2.4650

Details

The Yxy color **33.6496, 0.2897, 0.3368** is a light color, and the websafe version is hex **669999**. A complement of this color would be **26.4031, 0.3418, 0.3214**, and the grayscale version is **32.0638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5117, 0.2943, 0.3348**, and **14.2694, 0.2820, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **32.3327, 0.2782, 0.3416**, and if you desaturate by 10%, it is **35.1772, 0.3020, 0.3324**.

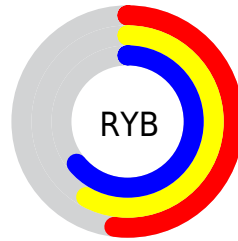
Distribution



Red (52%)

Green (64%)

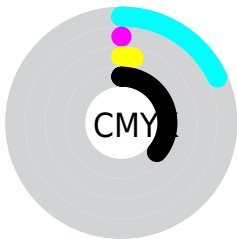
Blue (62%)



Red (52%)

Yellow (58%)

Blue (64%)

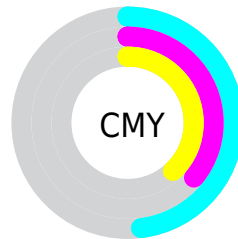


Cyan (18%)

Magenta (0%)

Yellow (3%)

Black (36%)



Cyan (48%)


Magenta (36%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6496, 0.2897, 0.3368 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 33.6496, 0.2897, 0.3368 by changing the saturation by 10% instead.


 33.6496, 0.2897,
0.3368


 33.6496, 0.2897,
0.3368


318.5668, 0.3018,
0.3327


 22.6245, 0.2865,
0.3379


 65.3884, 0.2942,
0.3353

 14.3165, 0.2822,
0.3393


 86.8709, 0.2959,
0.3347

 8.3411, 0.2762,
0.3412


 112.6081, 0.2973,
0.3343

 4.3140, 0.2674,
0.3441

142.9842, 0.2985,
0.3339

 1.8507, 0.2530,
0.3487

178.3838, 0.2995,
0.3335

 0.5185, 0.1583,
0.3819

219.1911, 0.3004,

 0.0000, 0.0000,

0.3332

0.0000

265.7907, 0.3011,
0.3330

■ 33.6496, 0.2897,
0.3368

■ 33.6496, 0.2897,
0.3368

■ 32.3327, 0.2782,
0.3416

■ 35.1772, 0.3020,
0.3324

■ 31.2130, 0.2678,
0.3467

■ 36.9203, 0.3148,
0.3284

■ 30.2815, 0.2588,
0.3521

■ 38.8885, 0.3279,
0.3248

■ 29.5271, 0.2514,
0.3578

■ 41.0898, 0.3411,
0.3215

■ 28.9376, 0.2457,
0.3636

■ 43.5317, 0.3542,
0.3187

■ 28.4989, 0.2419,
0.3694

■ 46.2214, 0.3671,
0.3162

■ 28.1949, 0.2399,
0.3753

■ 49.1658, 0.3796,
0.3140

■ 27.9957, 0.2395,
0.3812

■ 50.7392, 0.3841,
0.3116

■ 27.9663, 0.2395,
0.3821

■ 50.8509, 0.3815,
0.3088

Harmonies

Analogous

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



33.6496, 0.3053, 0.3515



33.6496, 0.2897, 0.3368



33.6496, 0.2803, 0.3203

Triad

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



33.6496, 0.2897, 0.3368



33.6496, 0.3016, 0.3003



33.6496, 0.3472, 0.3501

Complementary

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



33.6496, 0.2897, 0.3368



26.4031, 0.3418, 0.3214

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.



33.6496, 0.3462, 0.3362



33.6496, 0.2897, 0.3368



33.6496, 0.3195, 0.3080

Square

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



33.6496, 0.2897, 0.3368



33.6496, 0.2870, 0.2998



33.6496, 0.3360, 0.3209



33.6496, 0.3386, 0.3589

Rectangle

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



33.6496, 0.2897, 0.3368



33.6496, 0.2787, 0.3107



33.6496, 0.3360, 0.3209



33.6496, 0.3480, 0.3458

Sweetspot

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



33.6510, 0.2897, 0.3368



63.6774, 0.3049, 0.3314



33.3357, 0.3156, 0.3771



14.2605, 0.3041, 0.3317



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.



33.6510, 0.2897, 0.3368



59.2749, 0.2850, 0.3387



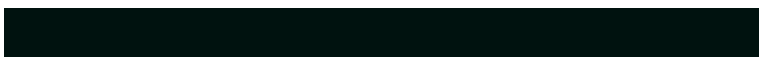
30.5812, 0.2849, 0.3139



7.9909, 0.3009, 0.3328



21.7410, 0.2393, 0.3816



0.4619, 0.2334, 0.3604

Inverse Universe

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



26.4031, 0.3418, 0.3214



43.8982, 0.3498, 0.3196



28.9800, 0.3450, 0.3437



7.1044, 0.3260, 0.3253



6.1186, 0.6120, 0.3145



0.1337, 0.5322, 0.2706

Previews

White Background



This preview shows how the Yxy color 33.6496, 0.2897, 0.3368 looks on a white background.

Color Contrast Check

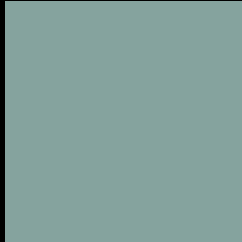
Large Text (above 18pt) WCAG AA × Fail

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 33.6496, 0.2897, 0.3368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

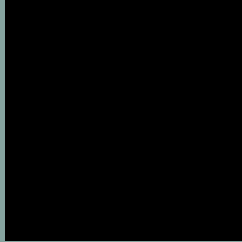
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

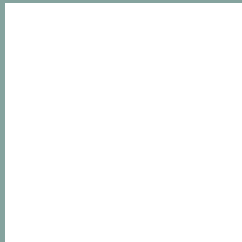
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.6496, 0.2897, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 33.6496, 0.2897, 0.3368.

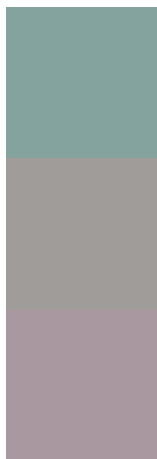


This preview shows how white text looks on a background with the Yxy color 33.6496, 0.2897, 0.3368.

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

33.6496, 0.2897, 0.3368

Protanopia

33.5836, 0.3185, 0.3320

Deuteranopia

33.5406, 0.3233, 0.3175



Tritanopia

33.7411, 0.2802, 0.3106

Trichromacy



Original Color

33.6496, 0.2897, 0.3368

Protanomaly

33.6469, 0.3076, 0.3351

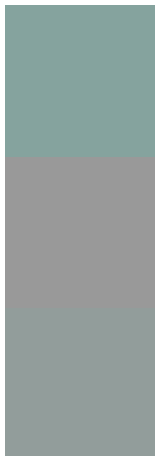
Deuteranomaly

33.4482, 0.3110, 0.3245

Tritanomaly

33.8187, 0.2834, 0.3197

Monochromacy



Original Color

33.6496, 0.2897, 0.3368

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.5915, 0.3039, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6496, 0.2897, 0.3368 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(133, 163, 158)` looks like.

```
.text, #text, p{  
    color:rgb(133, 163, 158)  
}
```

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(133, 163, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 163, 158) }
```

Border

The CSS property to change the border of an element to Yxy 33.6496, 0.2897, 0.3368 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(133, 163, 158) }
```

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

```
.border{ border-color:rgb(133, 163, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 163, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 163, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 163, 158);  
box-shadow:4px 4px 4px 4px rgb(133, 163,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6496, 0.2897, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 163, 158) }
```

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

```
.background{ background-color: rgb(133,  
163, 158) }
```

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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