

Converting Colors

$Yxy(33.8659, 0.3088, 0.3800)$

Have a look what the booklet for
Yxy(33.8659, 0.3088, 0.3800)
contains.

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Color

Yxy(33.9802, 0.3094, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	85A686
RGB	133, 166, 134
RGB Percent	52%, 65%, 53%
CMY	0.4783, 0.3490, 0.4745
CMYK	0.20, 0.00, 0.19, 0.35
HSL	122°, 16%, 59%
HSV	122°, 20%, 65%
XYZ	27.6162, 33.9802, 27.6608
YIQ	152.4850, -9.3960, -16.9480

Conversions

Conversions Part 2

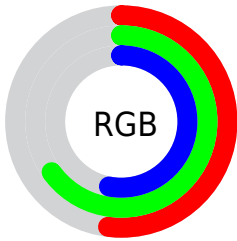
Format	Color
RYB	133, 165, 166
Decimal	8758918
CIELab	64.95, -17.74, 12.90
CIELCh	65, 21.935, 143.990
Yxy	33.9802, 0.3094, 0.3807
Android (android.graphics.Color)	4286948998 (0xFF85A686)
YUV	152.4850, -9.1131, -17.0883
Hunter-Lab	58.2925, -17.4473, 12.6707

Details

The Yxy color **33.9802, 0.3094, 0.3807** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.6073, 0.3160, 0.2822**, and the grayscale version is **31.6665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8656, 0.3108, 0.3700**, and **14.5137, 0.3081, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **32.3194, 0.3076, 0.4114**, and if you desaturate by 10%, it is **35.9259, 0.3111, 0.3531**.

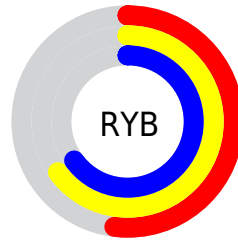
Distribution



Red (52%)

Green (65%)

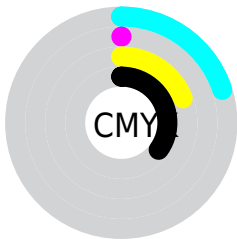
Blue (53%)



Red (52%)

Yellow (65%)

Blue (65%)

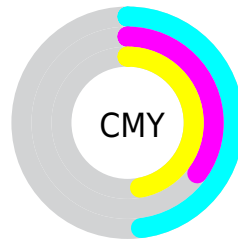


Cyan (20%)

Magenta (0%)

Yellow (19%)

Black (35%)



Cyan (48%)


Magenta (35%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9802, 0.3094, 0.3807 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 33.9802, 0.3094, 0.3807 by changing the saturation by 10% instead.


 33.9802, 0.3094,
0.3807


 33.9802, 0.3094,
0.3807


320.0438, 0.3116,
0.3527


 22.8784, 0.3086,
0.3885


 65.9029, 0.3103,
0.3699

 14.5037, 0.3075,
0.3991


 87.4925, 0.3106,
0.3661

 8.4718, 0.3057,
0.4142


 113.3469, 0.3109,
0.3629

 4.3983, 0.3025,
0.4374

143.8504, 0.3111,
0.3602

 1.8988, 0.2959,
0.4777

179.3875, 0.3112,
0.3579

 0.5476, 0.1376,
0.8624

220.3425, 0.3114,

 0.0000, 0.0000,

0.3559

0.0000

267.0998, 0.3115,
0.3542

■ 33.9802, 0.3094,
0.3807

■ 33.9802, 0.3094,
0.3807

■ 32.3194, 0.3076,
0.4114

■ 35.9259, 0.3111,
0.3531

■ 30.9261, 0.3057,
0.4446

■ 38.1643, 0.3127,
0.3287

■ 29.7875, 0.3038,
0.4791

■ 40.7085, 0.3142,
0.3074

■ 28.8884, 0.3022,
0.5130

■ 43.5694, 0.3155,
0.2891

■ 28.2115, 0.3009,
0.5439

■ 46.7572, 0.3166,
0.2733

■ 27.7375, 0.3000,
0.5693

■ 50.2820, 0.3177,
0.2597

■ 27.4438, 0.2996,
0.5873

■ 54.1531, 0.3186,
0.2481

■ 27.2839, 0.2994,
0.5977

■ 55.7511, 0.3168,
0.2422

■ 27.2819, 0.2994,
0.5979

Harmonies

Analogous

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



33.9802, 0.3431, 0.3901



33.9802, 0.3094, 0.3807



33.9802, 0.2778, 0.3547

Triad

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



33.9802, 0.3094, 0.3807



33.9802, 0.2578, 0.2766



33.9802, 0.3725, 0.3315

Complementary

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



33.9802, 0.3094, 0.3807



27.6073, 0.3160, 0.2822

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.



33.9802, 0.3472, 0.3045



33.9802, 0.3094, 0.3807



33.9802, 0.2806, 0.2737

Square

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



33.9802, 0.3094, 0.3807



33.9802, 0.2491, 0.2934



33.9802, 0.3131, 0.2839



33.9802, 0.3807, 0.3592

Rectangle

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



33.9802, 0.3094, 0.3807



33.9802, 0.2619, 0.3328



33.9802, 0.3131, 0.2839



33.9802, 0.3657, 0.3221

Sweetspot

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



33.9816, 0.3094, 0.3807



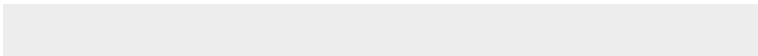
66.6642, 0.3118, 0.3435



37.0127, 0.3414, 0.3774



14.8631, 0.3117, 0.3451



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.9816, 0.3094, 0.3807



60.2306, 0.3086, 0.3944



34.4642, 0.2962, 0.3542



8.4112, 0.3112, 0.3516



21.1581, 0.2993, 0.5976



0.5159, 0.2962, 0.5864

Inverse Universe

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



27.6073, 0.3160, 0.2822



46.4432, 0.3168, 0.2713



27.0589, 0.3331, 0.3051



7.6627, 0.3142, 0.3074



8.2851, 0.3283, 0.1582



0.2027, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 33.9802, 0.3094, 0.3807 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 33.9802, 0.3094, 0.3807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

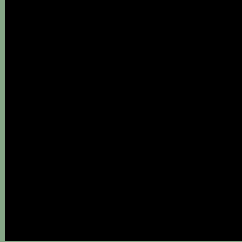
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9802, 0.3094, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 33.9802, 0.3094, 0.3807.



This preview shows how white text looks on a background with the Yxy color 33.9802, 0.3094, 0.3807.

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

33.9802, 0.3094, 0.3807

Protanopia

33.8326, 0.3472, 0.3693

Deuteranopia

33.6427, 0.3569, 0.3490



Tritanopia

34.0823, 0.2836, 0.3108

Trichromacy



Original Color

33.9802, 0.3094, 0.3807

Protanomaly

33.6503, 0.3332, 0.3738

Deuteranomaly

33.3410, 0.3386, 0.3591

Tritanomaly

34.0160, 0.2924, 0.3352

Monochromacy



Original Color

33.9802, 0.3094, 0.3807

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.1780, 0.3118, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9802, 0.3094, 0.3807 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, 166, 134)` looks like.

```
.text, #text, p{  
    color:rgb(133, 166, 134)  
}
```

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, 166, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 166, 134) }
```

Border

The CSS property to change the border of an element to Yxy 33.9802, 0.3094, 0.3807 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, 166, 134) }
```

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

```
.border{ border-color:rgb(133, 166, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 166, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 166, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 166, 134);  
box-shadow:4px 4px 4px 4px rgb(133, 166,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9802, 0.3094, 0.3807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 166, 134) }
```

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

```
.background{ background-color: rgb(133,  
166, 134) }
```

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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