

Converting Colors

$Yxy(33.0257, 0.3311, 0.4371)$

Have a look what the booklet for
Yxy(33.0257, 0.3311, 0.4371)
contains.

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Color

Yxy(33.1859, 0.3307, 0.4369)

Conversions

Conversions Part 1

Format	Color
Hex	80A766
RGB	128, 167, 102
RGB Percent	50%, 65%, 40%
CMY	0.4980, 0.3451, 0.6000
CMYK	0.23, 0.00, 0.39, 0.35
HSL	96°, 27%, 53%
HSV	96°, 39%, 65%
XYZ	25.1192, 33.1859, 17.6526
YIQ	147.9290, -2.3790, -28.4830

Conversions

Conversions Part 2

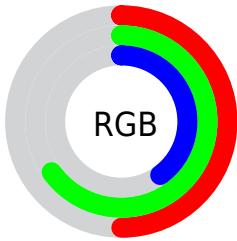
Format	Color
RYB	102, 167, 141
Decimal	8431462
CIELab	64.31, -25.30, 29.41
CIELCh	64, 38.797, 130.703
Yxy	33.1859, 0.3307, 0.4369
Android (android.graphics.Color)	4286621542 (0xFF80A766)
YUV	147.9290, -22.6430, -17.4777
Hunter-Lab	57.6072, -22.9790, 22.1568

Details

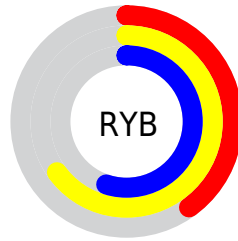
The Yxy color **33.1859, 0.3307, 0.4369** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.9570, 0.2857, 0.2259**, and the grayscale version is **29.6809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5207, 0.3283, 0.4134**, and **14.1056, 0.3324, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **32.1495, 0.3337, 0.4677**, and if you desaturate by 10%, it is **34.3686, 0.3267, 0.4066**.

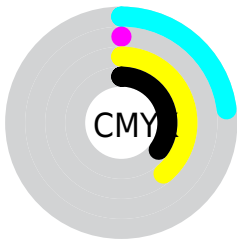
Distribution



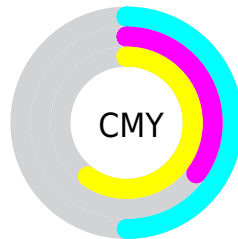
- Red (50%)
- Green (65%)
- Blue (40%)



- Red (40%)
- Yellow (65%)
- Blue (55%)



- Cyan (23%)
- Magenta (0%)
- Yellow (39%)
- Black (35%)





- Cyan (50%)
- Magenta (35%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1859, 0.3307, 0.4369 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 33.1859, 0.3307, 0.4369 by changing the saturation by 10% instead.


 33.1859, 0.3307,
0.4369


 33.1859, 0.3307,
0.4369


316.4866, 0.3230,
0.3775

 22.2689, 0.3319,
0.4536


 64.6657, 0.3284,
0.4140


 14.0546, 0.3328,
0.4760


 85.9972, 0.3273,
0.4058

 8.1587, 0.3326,
0.5078

 111.5690, 0.3264,
0.3990

 4.1966, 0.3291,
0.5552

 141.7656, 0.3256,
0.3933

 1.7842, 0.3326,
0.6674

176.9712, 0.3248,
0.3885

 0.4773, 0.0000,
1.0000

217.5703, 0.3241,

 0.0000, 0.0000,

0.3843

0.0000

263.9473, 0.3235,
0.3807

■ 33.1859, 0.3307,
0.4369

■ 33.1859, 0.3307,
0.4369

■ 32.1495, 0.3337,
0.4677

■ 34.3686, 0.3267,
0.4066

■ 31.2490, 0.3354,
0.4976

■ 35.6993, 0.3221,
0.3778

■ 30.4790, 0.3354,
0.5251


■ 37.1847, 0.3172,
0.3510

■ 29.8319, 0.3336,
0.5486


■ 38.8301, 0.3122,
0.3265

■ 29.2993, 0.3300,
0.5666

■ 40.6404, 0.3072,
0.3044

 28.8671, 0.3251,
0.5792

 42.6202, 0.3024,
0.2846

 28.8247, 0.3246,
0.5805

 44.7741, 0.2978,
0.2671

 47.1064, 0.2934,
0.2515

 49.6212, 0.2893,
0.2377

Harmonies

Analogous

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



33.1859, 0.3868, 0.4335



33.1859, 0.3307, 0.4369



33.1859, 0.2726, 0.4011

Triad

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



33.1859, 0.3307, 0.4369



33.1859, 0.2096, 0.2469



33.1859, 0.4028, 0.3098

Complementary

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



33.1859, 0.3307, 0.4369



17.9570, 0.2857, 0.2259

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.



33.1859, 0.3468, 0.2699



33.1859, 0.3307, 0.4369



33.1859, 0.2368, 0.2342

Square

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



33.1859, 0.3307, 0.4369



33.1859, 0.2063, 0.2833



33.1859, 0.2854, 0.2430



33.1859, 0.4323, 0.3561

Rectangle

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



33.1859, 0.3307, 0.4369



33.1859, 0.2406, 0.3616



33.1859, 0.2854, 0.2430



33.1859, 0.3862, 0.2954

Sweetspot

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



33.1873, 0.3307, 0.4369



65.6844, 0.3189, 0.3596



28.2261, 0.3836, 0.3886



14.6244, 0.3195, 0.3628



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.



33.1873, 0.3307, 0.4369



57.7621, 0.3334, 0.4644



31.5572, 0.3024, 0.4332



8.5487, 0.3174, 0.3519



22.0829, 0.3253, 0.5799



0.5672, 0.3533, 0.5576

Inverse Universe

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



17.9570, 0.2857, 0.2259



26.4611, 0.2774, 0.2010



20.2751, 0.3250, 0.2433



7.5147, 0.3076, 0.3063



4.2463, 0.2247, 0.1012



0.1319, 0.2571, 0.1190

Previews

White Background



This preview shows how the Yxy color 33.1859, 0.3307, 0.4369 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 33.1859, 0.3307, 0.4369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

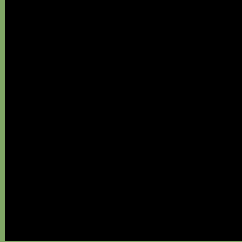
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1859, 0.3307, 0.4369

Background



This preview shows how black text looks on a background with the Yxy color 33.1859, 0.3307, 0.4369.



This preview shows how white text looks on a background with the Yxy color 33.1859, 0.3307, 0.4369.

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

33.1859, 0.3307, 0.4369

Protanopia

32.7408, 0.3827, 0.4144

Deuteranopia

32.9746, 0.3962, 0.3888



Tritanopia

33.2255, 0.2842, 0.3106

Trichromacy



Original Color

33.1859, 0.3307, 0.4369

Protanomaly

32.5672, 0.3626, 0.4221

Deuteranomaly

32.7962, 0.3704, 0.4056

Tritanomaly

33.0669, 0.3013, 0.3546

Monochromacy



Original Color

33.1859, 0.3307, 0.4369

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.7441, 0.3208, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1859, 0.3307, 0.4369 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(128, 167, 102)` looks like.

```
.text, #text, p{  
    color:rgb(128, 167, 102)  
}
```

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(128, 167, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 167, 102) }
```

Border

The CSS property to change the border of an element to Yxy 33.1859, 0.3307, 0.4369 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(128, 167, 102) }
```

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

```
.border{ border-color:rgb(128, 167, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 167, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 167, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 167, 102);  
box-shadow:4px 4px 4px 4px rgb(128, 167,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1859, 0.3307, 0.4369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 167, 102) }
```

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

```
.background{ background-color: rgb(128,  
167, 102) }
```

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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