

Converting Colors

$Yxy(33.4513, 0.3044, 0.3812)$

Have a look what the booklet for
Yxy(33.4513, 0.3044, 0.3812)
contains.

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Color

Yxy(33.5057, 0.3040, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	7FA686
RGB	127, 166, 134
RGB Percent	50%, 65%, 53%
CMY	0.5019, 0.3490, 0.4746
CMYK	0.23, 0.00, 0.19, 0.35
HSL	131°, 18%, 57%
HSV	131°, 23%, 65%
XYZ	26.6922, 33.5057, 27.6053
YIQ	150.6910, -12.9720, -18.2200

Conversions

Conversions Part 2

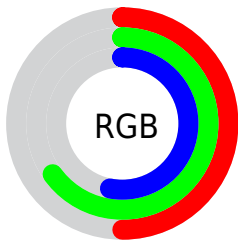
Format	Color
RYB	127, 160, 166
Decimal	8365702
CIELab	64.57, -19.85, 12.33
CIELCh	65, 23.364, 148.153
Yxy	33.5057, 0.3040, 0.3816
Android (android.graphics.Color)	4286555782 (0xFF7FA686)
YUV	150.6910, -8.2287, -20.7770
Hunter-Lab	57.8841, -18.9853, 12.2431

Details

The Yxy color **33.5057, 0.3040, 0.3816** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.7954, 0.3229, 0.2816**, and the grayscale version is **30.8497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0041, 0.3059, 0.3706**, and **14.2525, 0.3007, 0.4014** is the 20% darker color. If you saturate the color by 10%, you get **31.9793, 0.3004, 0.4083**, and if you desaturate by 10%, it is **35.2940, 0.3077, 0.3574**.

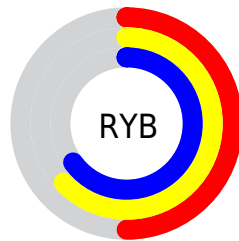
Distribution



Red (50%)

Green (65%)

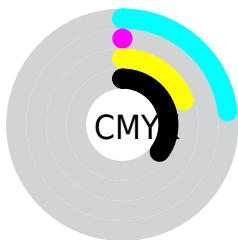
Blue (53%)



Red (50%)

Yellow (63%)

Blue (65%)

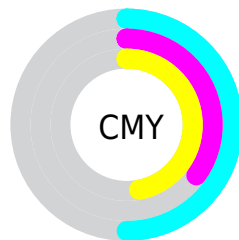


Cyan (23%)

Magenta (0%)

Yellow (19%)

Black (35%)



Cyan (50%)


Magenta (35%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5057, 0.3040, 0.3816 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 33.5057, 0.3040, 0.3816 by changing the saturation by 10% instead.


 33.5057, 0.3040,
0.3816


 33.5057, 0.3040,
0.3816


317.9223, 0.3090,
0.3530


 22.5141, 0.3025,
0.3896


 65.1643, 0.3060,
0.3706

 14.2352, 0.3003,
0.4005


 86.6000, 0.3067,
0.3666

 8.2844, 0.2970,
0.4162


 112.2860, 0.3073,
0.3634

 4.2775, 0.2916,
0.4404

142.6065, 0.3078,
0.3606

 1.8300, 0.2812,
0.4829

177.9460, 0.3082,
0.3583

 0.5057, 0.0000,
1.0000

218.6889, 0.3085,

 0.0000, 0.0000,

0.3563

0.0000

265.2195, 0.3088,
0.3545

■ 33.5057, 0.3040,
0.3816

■ 33.5057, 0.3040,
0.3816

■ 31.9793, 0.3004,
0.4083

■ 35.2940, 0.3077,
0.3574

■ 30.6984, 0.2972,
0.4372

■ 37.3513, 0.3114,
0.3359

■ 29.6514, 0.2946,
0.4673


■ 39.6897, 0.3151,
0.3169


■ 28.8239, 0.2928,
0.4975


■ 42.3193, 0.3185,
0.3004


■ 28.1998, 0.2921,
0.5262


■ 45.2496, 0.3218,
0.2861


 27.7612, 0.2925,
0.5515


 48.4898, 0.3248,
0.2736

 27.4863, 0.2940,
0.5720

 52.0486, 0.3277,
0.2629

 27.3650, 0.2951,
0.5824

 55.0088, 0.3263,
0.2526

 55.7531, 0.3168,
0.2422

Harmonies

Analogous

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



33.5057, 0.3403, 0.3944



33.5057, 0.3040, 0.3816



33.5057, 0.2714, 0.3518

Triad

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



33.5057, 0.3040, 0.3816



33.5057, 0.2566, 0.2718



33.5057, 0.3792, 0.3356

Complementary

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



33.5057, 0.3040, 0.3816



25.7954, 0.3229, 0.2816

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.



33.5057, 0.3542, 0.3066



33.5057, 0.3040, 0.3816



33.5057, 0.2827, 0.2708

Square

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



33.5057, 0.3040, 0.3816



33.5057, 0.2452, 0.2875



33.5057, 0.3183, 0.2834



33.5057, 0.3850, 0.3648

Rectangle

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



33.5057, 0.3040, 0.3816



33.5057, 0.2557, 0.3280



33.5057, 0.3183, 0.2834



33.5057, 0.3727, 0.3256

Sweetspot

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



33.5071, 0.3040, 0.3816



66.3680, 0.3101, 0.3434



36.2285, 0.3408, 0.3875



14.8043, 0.3099, 0.3446



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.



33.5071, 0.3040, 0.3816



59.3568, 0.3022, 0.3948



34.0867, 0.2887, 0.3497



8.4288, 0.3093, 0.3481



21.2248, 0.2948, 0.5812



0.5225, 0.2799, 0.5275

Inverse Universe

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



25.7954, 0.3229, 0.2816



42.9628, 0.3255, 0.2711



25.1845, 0.3445, 0.3093



7.6433, 0.3163, 0.3106



7.6794, 0.3709, 0.1817



0.1927, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 33.5057, 0.3040, 0.3816 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 33.5057, 0.3040, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

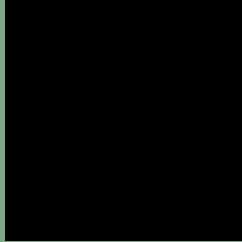
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5057, 0.3040, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 33.5057, 0.3040, 0.3816.



This preview shows how white text looks on a background with the Yxy color 33.5057, 0.3040, 0.3816.

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

33.5057, 0.3040, 0.3816

Protanopia

33.3612, 0.3474, 0.3695

Deuteranopia

33.0838, 0.3551, 0.3477



Tritanopia

33.5752, 0.2786, 0.3105

Trichromacy



Original Color

33.5057, 0.3040, 0.3816

Protanomaly

33.3596, 0.3301, 0.3742

Deuteranomaly

32.9254, 0.3344, 0.3595

Tritanomaly

33.5229, 0.2872, 0.3352

Monochromacy



Original Color

33.5057, 0.3040, 0.3816

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.5721, 0.3090, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5057, 0.3040, 0.3816 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(127, 166, 134)` looks like.

```
.text, #text, p{  
    color:rgb(127, 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(127, 166, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 166, 134) }
```

Border

The CSS property to change the border of an element to Yxy 33.5057, 0.3040, 0.3816 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(127, 166, 134) }
```

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

```
.border{ border-color:rgb(127, 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(127, 166, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 166, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 166, 134);  
box-shadow:4px 4px 4px 4px rgb(127, 166,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5057, 0.3040, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 166, 134) }
```

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

```
.background{ background-color: rgb(127,  
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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