

Converting Colors

$Yxy(33.8067, 0.3051, 0.3757)$

Have a look what the booklet for
Yxy(33.8067, 0.3051, 0.3757)
contains.

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Color

Yxy(33.9039, 0.3051, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	83A689
RGB	131, 166, 137
RGB Percent	51%, 65%, 54%
CMY	0.4863, 0.3490, 0.4628
CMYK	0.21, 0.00, 0.17, 0.35
HSL	130°, 16%, 58%
HSV	130°, 21%, 65%
XYZ	27.5109, 33.9039, 28.7552
YIQ	152.2290, -11.5510, -16.4390

Conversions

Conversions Part 2

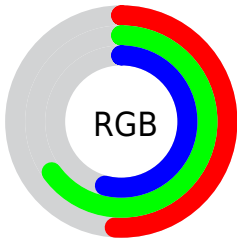
Format	Color
RYB	131, 161, 166
Decimal	8627849
CIELab	64.89, -17.90, 11.14
CIELCh	65, 21.088, 148.103
Yxy	33.9039, 0.3051, 0.3760
Android (android.graphics.Color)	4286817929 (0xFF83A689)
YUV	152.2290, -7.5079, -18.6178
Hunter-Lab	58.2271, -17.5605, 11.4788

Details

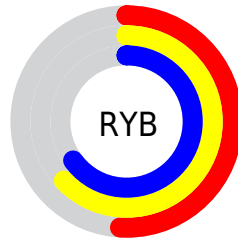
The Yxy color **33.9039, 0.3051, 0.3760** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.8794, 0.3214, 0.2862**, and the grayscale version is **31.5406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6210, 0.3068, 0.3665**, and **14.4721, 0.3023, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **32.3142, 0.3016, 0.4024**, and if you desaturate by 10%, it is **35.7592, 0.3087, 0.3522**.

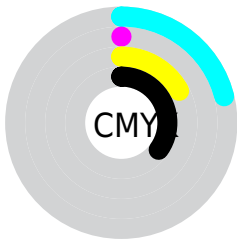
Distribution



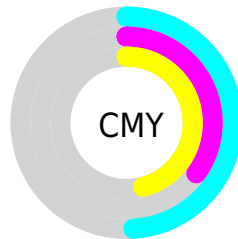
- Red (51%)
- Green (65%)
- Blue (54%)



- Red (51%)
- Yellow (63%)
- Blue (65%)



- Cyan (21%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)





- Cyan (49%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9039, 0.3051, 0.3760 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 33.9039, 0.3051, 0.3760 by changing the saturation by 10% instead.


 33.9039, 0.3051,
0.3760


 33.9039, 0.3051,
0.3760


319.7033, 0.3095,
0.3505


 22.8198, 0.3038,
0.3831


 65.7842, 0.3068,
0.3662

 14.4605, 0.3019,
0.3927


 87.3492, 0.3074,
0.3627

 8.4416, 0.2992,
0.4064


 113.1765, 0.3079,
0.3598

 4.3788, 0.2947,
0.4275

143.6507, 0.3083,
0.3574

 1.8876, 0.2860,
0.4641

179.1561, 0.3087,
0.3553

 0.5409, 0.1247,
0.8753

220.0771, 0.3090,

 0.0000, 0.0000,

0.3535

0.0000

266.7980, 0.3092,
0.3519

■ 33.9039, 0.3051,
0.3760

■ 33.9039, 0.3051,
0.3760

■ 32.3142, 0.3016,
0.4024

■ 35.7592, 0.3087,
0.3522

■ 30.9738, 0.2983,
0.4310

■ 37.8871, 0.3123,
0.3311

■ 29.8713, 0.2956,
0.4612

■ 40.2995, 0.3158,
0.3126

■ 28.9926, 0.2936,
0.4918

■ 43.0064, 0.3191,
0.2965

■ 28.3220, 0.2926,
0.5211

■ 46.0174, 0.3222,
0.2825

■ 27.8419, 0.2927,
0.5474

■ 49.3414, 0.3251,
0.2704

■ 27.5317, 0.2940,
0.5690

■ 52.9873, 0.3278,
0.2599

■ 27.3598, 0.2954,
0.5836

■ 55.2548, 0.3230,
0.2490

■ 55.7542, 0.3168,
0.2422

Harmonies

Analogous

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



33.9039, 0.3378, 0.3876



33.9039, 0.3051, 0.3760



33.9039, 0.2755, 0.3495

Triad

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



33.9039, 0.3051, 0.3760



33.9039, 0.2620, 0.2773



33.9039, 0.3724, 0.3352

Complementary

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



33.9039, 0.3051, 0.3760



26.8794, 0.3214, 0.2862

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.



33.9039, 0.3500, 0.3088



33.9039, 0.3051, 0.3760



33.9039, 0.2857, 0.2763

Square

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



33.9039, 0.3051, 0.3760



33.9039, 0.2516, 0.2918



33.9039, 0.3178, 0.2877



33.9039, 0.3777, 0.3616

Rectangle

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



33.9039, 0.3051, 0.3760



33.9039, 0.2613, 0.3284



33.9039, 0.3178, 0.2877



33.9039, 0.3665, 0.3261

Sweetspot

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



33.9053, 0.3051, 0.3760



66.7530, 0.3105, 0.3414



36.4041, 0.3380, 0.3813



14.8848, 0.3103, 0.3427



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.



33.9053, 0.3051, 0.3760



60.2092, 0.3035, 0.3873



34.4439, 0.2911, 0.3474



8.4279, 0.3094, 0.3483



21.2199, 0.2951, 0.5824



0.5222, 0.2806, 0.5302

Inverse Universe

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



26.8794, 0.3214, 0.2862



45.2815, 0.3235, 0.2770



26.3137, 0.3405, 0.3114



7.6443, 0.3162, 0.3105



7.7070, 0.3686, 0.1804



0.1932, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 33.9039, 0.3051, 0.3760 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 33.9039, 0.3051, 0.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

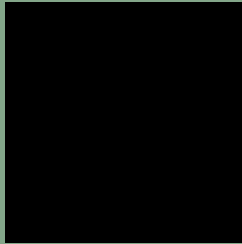
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9039, 0.3051, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 33.9039, 0.3051, 0.3760.



This preview shows how white text looks on a background with the Yxy color 33.9039, 0.3051, 0.3760.

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

33.9039, 0.3051, 0.3760

Protanopia

33.7792, 0.3443, 0.3664

Deuteranopia

33.4916, 0.3517, 0.3448



Tritanopia

33.9490, 0.2811, 0.3092

Trichromacy



Original Color

33.9039, 0.3051, 0.3760

Protanomaly

33.6351, 0.3294, 0.3692

Deuteranomaly

33.2181, 0.3336, 0.3547

Tritanomaly

33.9185, 0.2890, 0.3320

Monochromacy



Original Color

33.9039, 0.3051, 0.3760

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.1498, 0.3091, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9039, 0.3051, 0.3760 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(131, 166, 137)` looks like.

```
.text, #text, p{  
    color:rgb(131, 166, 137)  
}
```

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(131, 166, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 166, 137) }
```

Border

The CSS property to change the border of an element to Yxy 33.9039, 0.3051, 0.3760 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(131, 166, 137) }
```

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

```
.border{ border-color:rgb(131, 166, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 166, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 166, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 166, 137);  
box-shadow:4px 4px 4px 4px rgb(131, 166,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9039, 0.3051, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 166, 137) }
```

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

```
.background{ background-color: rgb(131,  
166, 137) }
```

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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