

# Converting Colors

$Yxy(35.2895, 0.3072, 0.3865)$

Have a look what the booklet for  
Yxy(35.2895, 0.3072, 0.3865)  
contains.

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# Color

**Yxy(35.2960, 0.3074, 0.3869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83AA86
RGB	131, 170, 134
RGB Percent	51%, 67%, 53%
CMY	0.4861, 0.3334, 0.4745
CMYK	0.23, 0.00, 0.21, 0.33
HSL	125°, 19%, 59%
HSV	125°, 23%, 67%
XYZ	28.0434, 35.2960, 27.8883
YIQ	154.2350, -11.6880, -19.4640

# Conversions

## Conversions Part 2

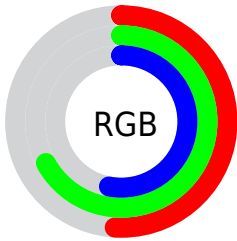
Format	Color
<a href="#">RYB</a>	<a href="#">131, 167, 170</a>
Decimal	<a href="#">8628870</a>
CIELab	<a href="#">65.98, -20.49, 14.33</a>
CIElCh	<a href="#">66, 25.004, 145.037</a>
Yxy	<a href="#">35.2960, 0.3074, 0.3869</a>
Android (android.graphics.Color)	<a href="#">4286818950</a> ( <a href="#">0xFF83AA86</a> )
YUV	<a href="#">154.2350, -9.9759, -20.3771</a>
Hunter-Lab	<a href="#">59.4104, -19.7112, 13.7555</a>

# Details

The Yxy color **35.2960, 0.3074, 0.3869** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.5829, 0.3184, 0.2772**, and the grayscale version is **32.4766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7526, 0.3092, 0.3747**, and **15.3463, 0.3054, 0.4085** is the 20% darker color. If you saturate the color by 10%, you get **33.6427, 0.3050, 0.4170**, and if you desaturate by 10%, it is **37.2402, 0.3098, 0.3596**.

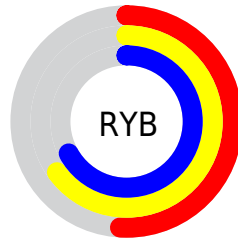
# Distribution



Red (51%)

Green (67%)

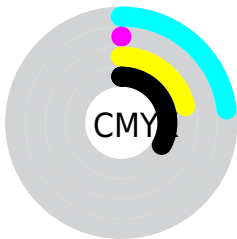
Blue (53%)



Red (51%)

Yellow (65%)

Blue (67%)

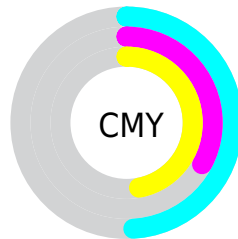


Cyan (23%)

Magenta (0%)

Yellow (21%)

Black (33%)



Cyan (49%)

Magenta (33%)


Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.2960, 0.3074, 0.3869 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 35.2960, 0.3074, 0.3869 by changing the saturation by 10% instead.




 35.2960, 0.3074,  
0.3869


 35.2960, 0.3074,  
0.3869


325.8729, 0.3107,  
0.3556

 23.8910, 0.3063,  
0.3956


 67.9441, 0.3088,  
0.3749

 15.2528, 0.3047,  
0.4073


 89.9559, 0.3092,  
0.3706

 8.9970, 0.3022,  
0.4240


 116.2721, 0.3096,  
0.3670

 4.7392, 0.2979,  
0.4495

147.2771, 0.3099,  
0.3640

 2.0951, 0.2892,  
0.4932

183.3553, 0.3102,  
0.3614

 0.6619, 0.1630,  
0.8370

224.8911, 0.3104,

 0.0000, 0.0000,

0.3592

0.0000

272.2688, 0.3106,  
0.3573

■ 35.2960, 0.3074,  
0.3869

■ 35.2960, 0.3074,  
0.3869

■ 33.6427, 0.3050,  
0.4170

■ 37.2402, 0.3098,  
0.3596

■ 32.2620, 0.3027,  
0.4493

■ 39.4836, 0.3121,  
0.3355

■ 31.1406, 0.3007,  
0.4827


■ 42.0397, 0.3142,  
0.3143


■ 30.2624, 0.2991,  
0.5152


■ 44.9198, 0.3162,  
0.2959


■ 29.6092, 0.2982,  
0.5449


■ 48.1347, 0.3180,  
0.2801

 29.1604, 0.2979,  
0.5692

 51.6948, 0.3197,  
0.2664

 28.8916, 0.2983,  
0.5866

 55.6099, 0.3212,  
0.2547

 28.7757, 0.2985,  
0.5947

 57.2270, 0.3166,  
0.2460

# Harmonies

## Analogous

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



35.2960, 0.3453, 0.3980



35.2960, 0.3074, 0.3869



35.2960, 0.2723, 0.3568

# Triad

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



35.2960, 0.3074, 0.3869



35.2960, 0.2519, 0.2699



35.2960, 0.3808, 0.3325

# Complementary

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



35.2960, 0.3074, 0.3869



27.5829, 0.3184, 0.2772

# 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.



35.2960, 0.3527, 0.3025



35.2960, 0.3074, 0.3869



35.2960, 0.2777, 0.2674

# Square

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



35.2960, 0.3074, 0.3869



35.2960, 0.2417, 0.2879



35.2960, 0.3144, 0.2793



35.2960, 0.3892, 0.3634



# Rectangle

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



35.2960, 0.3074, 0.3869



35.2960, 0.2550, 0.3317



35.2960, 0.3144, 0.2793



35.2960, 0.3733, 0.3221

# Sweetspot

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



35.2975, 0.3074, 0.3869



69.8600, 0.3111, 0.3453



38.6459, 0.3440, 0.3854



15.5269, 0.3110, 0.3467



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



35.2975, 0.3074, 0.3869



62.6102, 0.3063, 0.4004



35.8801, 0.2923, 0.3555



8.4166, 0.3106, 0.3505



21.1731, 0.2983, 0.5938



0.5179, 0.2907, 0.5667



# Inverse Universe

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



27.5829, 0.3184, 0.2772



46.3552, 0.3197, 0.2667



26.9271, 0.3392, 0.3040



7.6567, 0.3149, 0.3084



8.0841, 0.3405, 0.1650



0.1995, 0.3334, 0.1610



# Previews

## White Background



This preview shows how the Yxy color 35.2960, 0.3074, 0.3869 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 35.2960, 0.3074, 0.3869 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

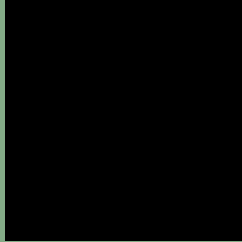
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.2960, 0.3074, 0.3869**

## Background



This preview shows how black text looks on a background with the Yxy color 35.2960, 0.3074, 0.3869.



This preview shows how white text looks on a background with the Yxy color 35.2960, 0.3074, 0.3869.

# 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

35.2960, 0.3074, 0.3869

### Protanopia

35.2726, 0.3514, 0.3744

### Deuteranopia

34.9846, 0.3591, 0.3529



## Tritanopia

35.2142, 0.2800, 0.3095

# Trichromacy



## Original Color

35.2960, 0.3074, 0.3869

## Protanomaly

35.2575, 0.3343, 0.3792

## Deuteranomaly

34.8117, 0.3387, 0.3647

## Tritanomaly

35.0799, 0.2900, 0.3367

# Monochromacy



## Original Color

35.2960, 0.3074, 0.3869

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

33.3592, 0.3108, 0.3492

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.2960, 0.3074, 0.3869 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, 170, 134)` looks like.

```
.text, #text, p{  
    color:rgb(131, 170, 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(131, 170, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 170, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 35.2960, 0.3074, 0.3869 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, 170, 134) }
```

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

```
.border{ border-color:rgb(131, 170, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 170, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 170, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 170, 134);  
box-shadow:4px 4px 4px 4px rgb(131, 170,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.2960, 0.3074, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 170, 134) }
```

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

```
.background{ background-color: rgb(131,  
170, 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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