

# Converting Colors

$Yxy(33.8639, 0.2941, 0.4001)$

Have a look what the booklet for  
Yxy(33.8639, 0.2941, 0.4001)  
contains.

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# Color

**Yxy(34.0258, 0.2936, 0.4003)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EAB81
RGB	110, 171, 129
RGB Percent	43%, 67%, 51%
CMY	0.5686, 0.3294, 0.4941
CMYK	0.36, 0.00, 0.25, 0.33
HSL	139°, 27%, 55%
HSV	139°, 36%, 67%
XYZ	24.9562, 34.0258, 26.0187
YIQ	147.9730, -22.8740, -25.9940

# Conversions

## Conversions Part 2

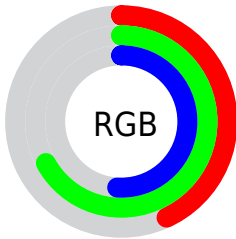
Format	Color
<a href="#">RYB</a>	<a href="#">110, 157, 171</a>
Decimal	<a href="#">7252865</a>
CIELab	<a href="#">64.98, -28.89, 15.52</a>
CIELCh	<a href="#">65, 32.796, 151.763</a>
Yxy	<a href="#">34.0258, 0.2936, 0.4003</a>
Android (android.graphics.Color)	<a href="#">4285442945 (0xFF6EAB81)</a>
YUV	<a href="#">147.9730, -9.3537, -33.3023</a>
Hunter-Lab	<a href="#">58.3316, -25.7121, 14.3859</a>

# Details

The Yxy color **34.0258, 0.2936, 0.4003** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.0799, 0.3394, 0.2673**, and the grayscale version is **29.6506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2081, 0.2982, 0.3855**, and **14.4659, 0.2856, 0.4247** is the 20% darker color. If you saturate the color by 10%, you get **32.7387, 0.2892, 0.4248**, and if you desaturate by 10%, it is **35.5636, 0.2986, 0.3776**.

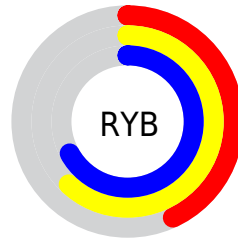
# Distribution



Red (43%)

Green (67%)

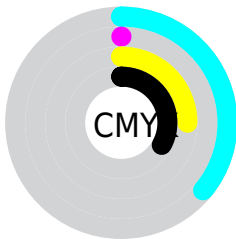
Blue (51%)



Red (43%)

Yellow (62%)

Blue (67%)

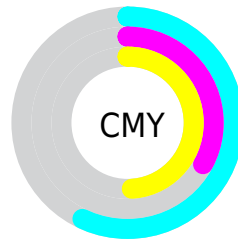


Cyan (36%)

Magenta (0%)

Yellow (25%)

Black (33%)



Cyan (57%)

Magenta (33%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0258, 0.2936, 0.4003 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 34.0258, 0.2936, 0.4003 by changing the saturation by 10% instead.




 34.0258, 0.2936,  
0.4003


 34.0258, 0.2936,  
0.4003


320.2471, 0.3045,  
0.3612


 22.9134, 0.2904,  
0.4114


 65.9738, 0.2979,  
0.3852


 14.5296, 0.2859,  
0.4265


 87.5782, 0.2994,  
0.3798

 8.4899, 0.2791,  
0.4483


 113.4487, 0.3006,  
0.3753

 4.4100, 0.2682,  
0.4822

 143.9698, 0.3017,  
0.3716

 1.9055, 0.2491,  
0.5447

179.5257, 0.3025,  
0.3684

 0.5517, 0.0000,  
1.0000

220.5010, 0.3033,

 0.0000, 0.0000,

0.3656

0.0000

267.2800, 0.3039,  
0.3633

■ 34.0258, 0.2936,  
0.4003

■ 34.0258, 0.2936,  
0.4003

■ 32.7387, 0.2892,  
0.4248

■ 35.5636, 0.2986,  
0.3776

■ 31.6844, 0.2858,  
0.4505

■ 37.3601, 0.3040,  
0.3570

■ 30.8498, 0.2837,  
0.4768


■ 39.4283, 0.3096,  
0.3385


■ 30.2182, 0.2830,  
0.5025


■ 41.7792, 0.3151,  
0.3222

■ 29.7708, 0.2840,  
0.5265


■ 44.4229, 0.3205,  
0.3078

 29.4834, 0.2866,  
0.5476

 47.3691, 0.3258,  
0.2952

 29.3859, 0.2877,  
0.5559

 50.6272, 0.3308,  
0.2842

 54.2061, 0.3355,  
0.2747

 56.3845, 0.3325,  
0.2648

# Harmonies

## Analogous

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



34.0258, 0.3438, 0.4212



34.0258, 0.2936, 0.4003



34.0258, 0.2508, 0.3547

# Triad

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



34.0258, 0.2936, 0.4003



34.0258, 0.2392, 0.2495



34.0258, 0.4085, 0.3413

# Complementary

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



34.0258, 0.2936, 0.4003



22.0799, 0.3394, 0.2673

# 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.



34.0258, 0.3759, 0.3022



34.0258, 0.2936, 0.4003



34.0258, 0.2761, 0.2513

# Square

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



34.0258, 0.2936, 0.4003



34.0258, 0.2215, 0.2671



34.0258, 0.3261, 0.2703



34.0258, 0.4124, 0.3808



# Rectangle

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



34.0258, 0.2936, 0.4003



34.0258, 0.2315, 0.3204



34.0258, 0.3261, 0.2703



34.0258, 0.4005, 0.3279

# Sweetspot

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



34.0272, 0.2936, 0.4003



68.5034, 0.3065, 0.3485



36.9963, 0.3471, 0.4216



15.1701, 0.3058, 0.3509



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.



34.0272, 0.2936, 0.4003



59.0384, 0.2900, 0.4200



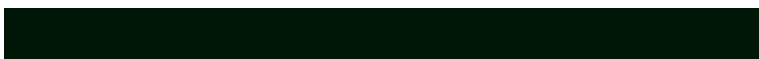
34.9388, 0.2718, 0.3487



8.9789, 0.3075, 0.3450



22.1604, 0.2873, 0.5541



0.6265, 0.2694, 0.4898



# Inverse Universe

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



22.0799, 0.3394, 0.2673



34.3569, 0.3476, 0.2534



21.2226, 0.3790, 0.3106



8.1050, 0.3183, 0.3135



7.5186, 0.4170, 0.2071



0.2184, 0.3817, 0.1876



# Previews

## White Background



This preview shows how the Yxy color 34.0258, 0.2936, 0.4003 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 34.0258, 0.2936, 0.4003 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

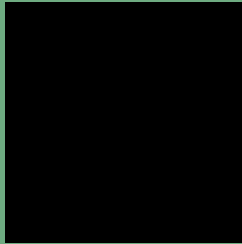
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.0258, 0.2936, 0.4003**

## Background



This preview shows how black text looks on a background with the Yxy color 34.0258, 0.2936, 0.4003.



This preview shows how white text looks on a background with the Yxy color 34.0258, 0.2936, 0.4003.

# 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

34.0258, 0.2936, 0.4003

### Protanopia

33.7346, 0.3560, 0.3812

### Deuteranopia

33.6504, 0.3621, 0.3547



## Tritanopia

34.1177, 0.2645, 0.3087

# Trichromacy



## Original Color

34.0258, 0.2936, 0.4003

## Protanomaly

33.4323, 0.3301, 0.3876

## Deuteranomaly

33.0882, 0.3337, 0.3691

## Tritanomaly

33.8885, 0.2747, 0.3402

# Monochromacy



## Original Color

34.0258, 0.2936, 0.4003

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

30.7684, 0.3048, 0.3535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.0258, 0.2936, 0.4003 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(110, 171, 129)` looks like.

```
.text, #text, p{  
    color:rgb(110, 171, 129)  
}
```

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(110, 171, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 171, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0258, 0.2936, 0.4003 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(110, 171, 129) }
```

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

```
.border{ border-color:rgb(110, 171, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 171, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 171, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 171, 129);  
box-shadow:4px 4px 4px 4px rgb(110, 171,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0258, 0.2936, 0.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 171, 129) }
```

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

```
.background{ background-color: rgb(110,  
171, 129) }
```

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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