

# Converting Colors

$Yxy(37.4166, 0.2768, 0.3319)$

Have a look what the booklet for  
Yxy(37.4166, 0.2768, 0.3319)  
contains.

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# Color

**Yxy(37.4166, 0.2768, 0.3319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80ADAB
RGB	128, 173, 171
RGB Percent	50%, 68%, 67%
CMY	0.4978, 0.3216, 0.3293
CMYK	0.26, 0.00, 0.01, 0.32
HSL	177°, 21%, 59%
HSV	177°, 26%, 68%
XYZ	31.2049, 37.4166, 44.1130
YIQ	159.3170, -26.1780, -10.1620

# Conversions

## Conversions Part 2

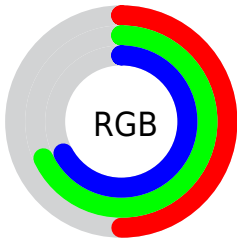
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 151, 173
Decimal	8433067
CIELab	67.59, -15.36, -3.87
CIELCh	68, 15.845, 194.145
Yxy	37.4166, 0.2768, 0.3319
Android (android.graphics.Color)	4286623147 (0xFF80ADAB)
YUV	159.3170, 5.7597, -27.4650
Hunter-Lab	61.1691, -15.9856, 0.0605

# Details

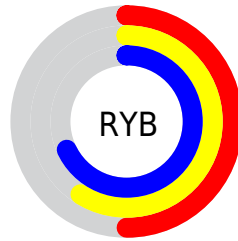
The Yxy color **37.4166, 0.2768, 0.3319** is a light color, and the websafe version is hex **669999**. A complement of this color would be **25.9520, 0.3644, 0.3262**, and the grayscale version is **34.8127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4747, 0.2838, 0.3324**, and **16.5844, 0.2658, 0.3332** is the 20% darker color. If you saturate the color by 10%, you get **36.1593, 0.2649, 0.3332**, and if you desaturate by 10%, it is **38.9058, 0.2899, 0.3307**.

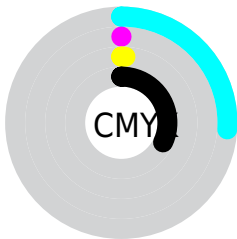
# Distribution



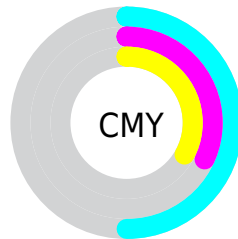
- Red (50%)
- Green (68%)
- Blue (67%)



- Red (50%)
- Yellow (59%)
- Blue (68%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (32%)




- Cyan (50%)
- Magenta (32%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4166, 0.2768, 0.3319 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 37.4166, 0.2768, 0.3319 by changing the saturation by 10% instead.




 37.4166, 0.2768,  
0.3319


 37.4166, 0.2768,  
0.3319


335.1107, 0.2953,  
0.3306


 25.5302, 0.2720,  
0.3322


 71.2131, 0.2836,  
0.3315

 16.4725, 0.2658,  
0.3325


 93.8919, 0.2862,  
0.3313

 9.8591, 0.2573,  
0.3328


 120.9370, 0.2883,  
0.3311

 5.3057, 0.2451,  
0.3331

152.7328, 0.2901,  
0.3310

 2.4277, 0.2262,  
0.3332

189.6637, 0.2917,  
0.3309

 0.8401, 0.1717,  
0.3406

232.1140, 0.2930,

 0.0000, 0.0000,

0.3308

0.0000

280.4682, 0.2942,  
0.3307

■ 37.4166, 0.2768,  
0.3319

■ 37.4166, 0.2768,  
0.3319

■ 36.1593, 0.2649,  
0.3332

■ 38.9058, 0.2899,  
0.3307

■ 35.1178, 0.2544,  
0.3345

■ 40.6332, 0.3040,  
0.3296

■ 34.2810, 0.2457,  
0.3359

■ 42.6104, 0.3187,  
0.3286

■ 33.6350, 0.2387,  
0.3373

■ 44.8468, 0.3338,  
0.3277

■ 33.1641, 0.2336,  
0.3388

■ 47.3515, 0.3490,  
0.3269

■ 32.8503, 0.2304,  
0.3402

■ 50.1331, 0.3642,  
0.3262

■ 32.6699, 0.2288,  
0.3416

■ 53.1997, 0.3791,  
0.3256

■ 32.6137, 0.2284,  
0.3422

■ 54.3207, 0.3835,  
0.3249

■ 54.3511, 0.3828,  
0.3241

# Harmonies

## Analogous

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



37.4166, 0.2952, 0.3535



37.4166, 0.2768, 0.3319



37.4166, 0.2679, 0.3104

# Triad

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



37.4166, 0.2768, 0.3319



37.4166, 0.3053, 0.2934



37.4166, 0.3565, 0.3618

# Complementary

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



37.4166, 0.2768, 0.3319



25.9520, 0.3644, 0.3262

# 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.



37.4166, 0.3597, 0.3447



37.4166, 0.2768, 0.3319



37.4166, 0.3295, 0.3062

# Square

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



37.4166, 0.2768, 0.3319



37.4166, 0.2839, 0.2893



37.4166, 0.3497, 0.3246



37.4166, 0.3412, 0.3708



# Rectangle

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



37.4166, 0.2768, 0.3319



37.4166, 0.2684, 0.2992



37.4166, 0.3497, 0.3246



37.4166, 0.3590, 0.3568

# Sweetspot

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



37.4181, 0.2768, 0.3319



72.0734, 0.3009, 0.3298



36.2138, 0.3113, 0.4012



15.5614, 0.2988, 0.3300



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.



37.4181, 0.2768, 0.3319



65.7178, 0.2700, 0.3326



30.3199, 0.2725, 0.2971



9.0659, 0.2992, 0.3300



23.9655, 0.2283, 0.3420



0.6685, 0.2271, 0.3377



# Inverse Universe

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



25.9520, 0.3644, 0.3262



41.7643, 0.3798, 0.3256



31.7118, 0.3595, 0.3589



8.0208, 0.3280, 0.3280



6.5413, 0.6342, 0.3267



0.1838, 0.6094, 0.3130



# Previews

## White Background



This preview shows how the Yxy color 37.4166, 0.2768, 0.3319 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 37.4166, 0.2768, 0.3319 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

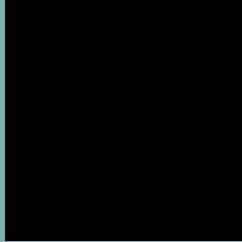
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 37.4166, 0.2768, 0.3319**

## Background



This preview shows how black text looks on a background with the Yxy color 37.4166, 0.2768, 0.3319.

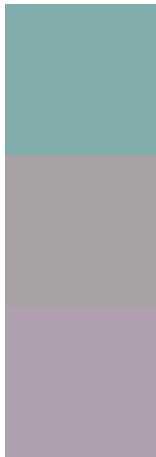


This preview shows how white text looks on a background with the Yxy color 37.4166, 0.2768, 0.3319.

# 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

37.4166, 0.2768, 0.3319

### Protanopia

37.1265, 0.3147, 0.3262

### Deuteranopia

37.0824, 0.3156, 0.3084



## Tritanopia

37.4539, 0.2689, 0.3082

# Trichromacy



## Original Color

37.4166, 0.2768, 0.3319

## Protanomaly

37.1998, 0.3001, 0.3290

## Deuteranomaly

36.9390, 0.3005, 0.3161

## Tritanomaly

37.5462, 0.2718, 0.3169

# Monochromacy



## Original Color

37.4166, 0.2768, 0.3319

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

35.4912, 0.2989, 0.3305

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  37.4166, 0.2768, 0.3319 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, 173, 171)` looks like.

```
.text, #text, p{  
    color:rgb(128, 173, 171)  
}
```

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, 173, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 173, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 37.4166, 0.2768, 0.3319 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, 173, 171) }
```

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

```
.border{ border-color:rgb(128, 173, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 173, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 173, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 173, 171);  
box-shadow:4px 4px 4px 4px rgb(128, 173,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.4166, 0.2768, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 173, 171) }
```

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

```
.background{ background-color: rgb(128,  
173, 171) }
```

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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