

# Converting Colors

$Yxy(35.5109, 0.2735, 0.3367)$

Have a look what the booklet for  
Yxy(35.5109, 0.2735, 0.3367)  
contains.

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# Color

**Yxy(35.3880, 0.2738, 0.3368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77AAA5
RGB	119, 170, 165
RGB Percent	47%, 67%, 65%
CMY	0.5336, 0.3333, 0.3529
CMYK	0.30, 0.00, 0.03, 0.33
HSL	174°, 23%, 57%
HSV	174°, 30%, 67%
XYZ	28.7685, 35.3880, 40.9147
YIQ	154.1810, -28.7910, -12.3670

# Conversions

## Conversions Part 2

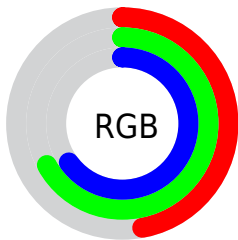
Format	Color
R <sub>Y</sub> B	119, 146, 170
Decimal	7842469
CIE Lab	66.05, -17.95, -2.86
CIE LCh	66, 18.179, 189.047
Yxy	35.3880, 0.2738, 0.3368
Android (android.graphics.Color)	4286032549 (0xFF77AAA5)
YUV	154.1810, 5.3338, -30.8537
Hunter-Lab	59.4878, -17.7805, 0.8628

# Details

The Yxy color **35.3880, 0.2738, 0.3368** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.1817, 0.3718, 0.3215**, and the grayscale version is **32.3799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9020, 0.2815, 0.3348**, and **15.3781, 0.2621, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **34.2326, 0.2630, 0.3398**, and if you desaturate by 10%, it is **36.7622, 0.2859, 0.3340**.

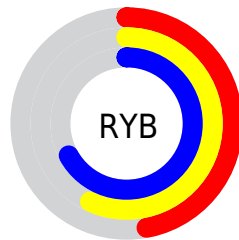
# Distribution



Red (47%)

Green (67%)

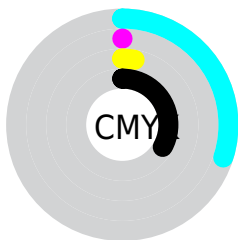
Blue (65%)



Red (47%)

Yellow (57%)

Blue (67%)

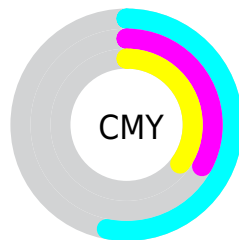


Cyan (30%)

Magenta (0%)

Yellow (3%)

Black (33%)



Cyan (53%)

Magenta (33%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.3880, 0.2738, 0.3368 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 35.3880, 0.2738, 0.3368 by changing the saturation by 10% instead.





 35.3880, 0.2738,  
0.3368


 35.3880, 0.2738,  
0.3368


326.2776, 0.2940,  
0.3329

 23.9619, 0.2685,  
0.3378


 68.0864, 0.2813,  
0.3354

 15.3054, 0.2616,  
0.3390


 90.1275, 0.2841,  
0.3349

 9.0340, 0.2520,  
0.3406


 116.4757, 0.2864,  
0.3344

 4.7634, 0.2382,  
0.3427

147.5155, 0.2884,  
0.3340

 2.1091, 0.2164,  
0.3457

183.6312, 0.2901,  
0.3337

 0.6697, 0.1103,  
0.3727

225.2072, 0.2916,

 0.0000, 0.0000,

0.3334

0.0000

272.6278, 0.2929,  
0.3332

■ 35.3880, 0.2738,  
0.3368

■ 35.3880, 0.2738,  
0.3368

■ 34.2326, 0.2630,  
0.3398

■ 36.7622, 0.2859,  
0.3340

■ 33.2802, 0.2536,  
0.3429

■ 38.3615, 0.2989,  
0.3314

■ 32.5197, 0.2459,  
0.3462


■ 40.1974, 0.3127,  
0.3290


■ 31.9372, 0.2401,  
0.3495

■ 42.2790, 0.3268,  
0.3269

■ 31.5168, 0.2361,  
0.3528

■ 44.6153, 0.3411,  
0.3249


 31.2400, 0.2340,  
0.3561

 47.2146, 0.3554,  
0.3232

 31.0660, 0.2332,  
0.3594

 50.0849, 0.3695,  
0.3217

 53.2340, 0.3833,  
0.3205

 53.3101, 0.3817,  
0.3187

# Harmonies

## Analogous

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



35.3880, 0.2965, 0.3616



35.3880, 0.2738, 0.3368



35.3880, 0.2615, 0.3109

# Triad

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



35.3880, 0.2738, 0.3368



35.3880, 0.2993, 0.2862



35.3880, 0.3656, 0.3642

# Complementary

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



35.3880, 0.2738, 0.3368



23.1817, 0.3718, 0.3215

# 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.



35.3880, 0.3668, 0.3432



35.3880, 0.2738, 0.3368



35.3880, 0.3276, 0.2994

# Square

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



35.3880, 0.2738, 0.3368



35.3880, 0.2757, 0.2831



35.3880, 0.3527, 0.3198



35.3880, 0.3497, 0.3770



# Rectangle

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



35.3880, 0.2738, 0.3368



35.3880, 0.2605, 0.2970



35.3880, 0.3527, 0.3198



35.3880, 0.3678, 0.3578

# Sweetspot

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



35.3894, 0.2738, 0.3368



69.8648, 0.3001, 0.3312



34.3740, 0.3132, 0.4137



15.4812, 0.2982, 0.3315



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.



35.3894, 0.2738, 0.3368



62.7684, 0.2665, 0.3388



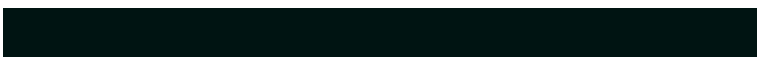
28.5014, 0.2666, 0.2957



8.5192, 0.3000, 0.3312



22.8531, 0.2331, 0.3590



0.5595, 0.2300, 0.3481



# Inverse Universe

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



23.1817, 0.3718, 0.3215



37.0431, 0.3906, 0.3198



28.4512, 0.3694, 0.3600



7.5538, 0.3271, 0.3268



6.3197, 0.6263, 0.3224

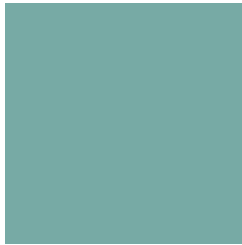


0.1573, 0.5734, 0.2932



# Previews

## White Background



This preview shows how the Yxy color 35.3880, 0.2738, 0.3368 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

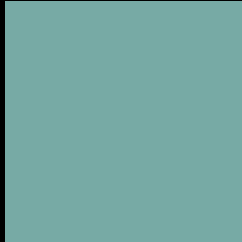
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.3880, 0.2738, 0.3368 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

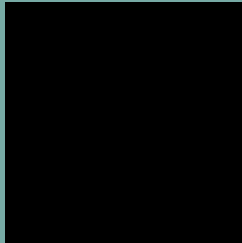
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 35.3880, 0.2738, 0.3368**

## Background



This preview shows how black text looks on a background with the Yxy color 35.3880, 0.2738, 0.3368.

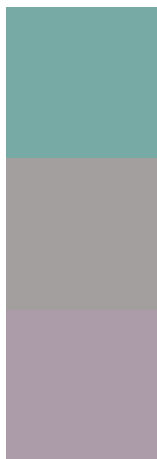


This preview shows how white text looks on a background with the Yxy color 35.3880, 0.2738, 0.3368.

# 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

35.3880, 0.2738, 0.3368

### Protanopia

35.0860, 0.3166, 0.3290

### Deuteranopia

35.0405, 0.3175, 0.3107



## Tritanopia

35.5524, 0.2652, 0.3091

# Trichromacy



**Original Color**

35.3880, 0.2738, 0.3368

**Protanomaly**

34.9706, 0.2996, 0.3320

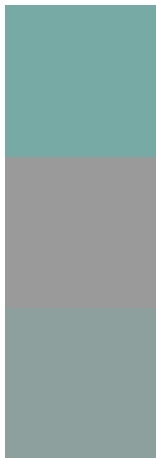
**Deuteranomaly**

34.7039, 0.3001, 0.3186

**Tritanomaly**

35.6087, 0.2688, 0.3196

# Monochromacy



**Original Color**

35.3880, 0.2738, 0.3368

**Achromatopsia**

32.3143, 0.3127, 0.3290

**Achromatomaly**

33.2730, 0.2967, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  35.3880, 0.2738, 0.3368 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(119, 170, 165)` looks like.

```
.text, #text, p{  
    color:rgb(119, 170, 165)  
}
```

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(119, 170, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 170, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 35.3880, 0.2738, 0.3368 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(119, 170, 165) }
```

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

```
.border{ border-color:rgb(119, 170, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 170, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 170, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 170, 165);  
box-shadow:4px 4px 4px 4px rgb(119, 170,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.3880, 0.2738, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 170, 165) }
```

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

```
.background{ background-color: rgb(119,  
170, 165) }
```

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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