

Converting Colors

$Y_{xy}(33.7380, 0.3165, 0.2986)$

Have a look what the booklet for
Yxy(33.7380, 0.3165, 0.2986)
contains.

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Color

Yxy(33.7899, 0.3162, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	AE96AC
RGB	174, 150, 172
RGB Percent	68%, 59%, 67%
CMY	0.3174, 0.4118, 0.3255
CMYK	0.00, 0.14, 0.01, 0.32
HSL	305°, 13%, 64%
HSV	305°, 14%, 68%
XYZ	35.8175, 33.7899, 43.6675
YIQ	159.6840, 7.2420, 11.9300

Conversions

Conversions Part 2

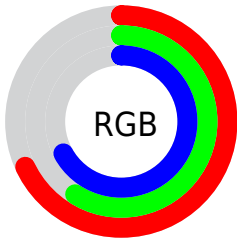
Format	Color
RYB	174, 150, 172
Decimal	11441836
CIELab	64.80, 12.89, -8.19
CIELCh	65, 15.275, 327.587
Yxy	33.7899, 0.3162, 0.2983
Android (android.graphics.Color)	4289631916 (0xFFAE96AC)
YUV	159.6840, 6.0718, 12.5551
Hunter-Lab	58.1291, 8.2608, -3.8492

Details

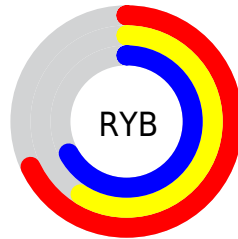
The Yxy color **33.7899, 0.3162, 0.2983** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.0434, 0.3094, 0.3617**, and the grayscale version is **34.9730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5548, 0.3161, 0.3044**, and **14.3447, 0.3161, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **28.5871, 0.3190, 0.2755**, and if you desaturate by 10%, it is **39.8213, 0.3136, 0.3207**.

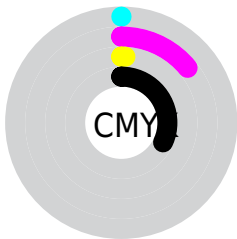
Distribution



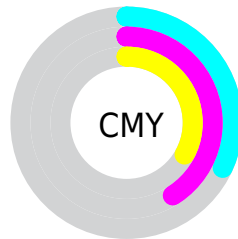
- Red (68%)
- Green (59%)
- Blue (67%)



- Red (68%)
- Yellow (59%)
- Blue (67%)



- Cyan (0%)
- Magenta (14%)
- Yellow (1%)
- Black (32%)





- Cyan (32%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7899, 0.3162, 0.2983 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 33.7899, 0.3162, 0.2983 by changing the saturation by 10% instead.


 33.7899, 0.3162,
0.2983


 33.7899, 0.3162,
0.2983


319.1942, 0.3145,
0.3141

 22.7322, 0.3166,
0.2942


 65.6068, 0.3156,
0.3042

 14.3959, 0.3171,
0.2888


 87.1349, 0.3154,
0.3063

 8.3965, 0.3177,
0.2815


112.9218, 0.3152,
0.3081

 4.3497, 0.3185,
0.2710

143.3521, 0.3150,
0.3097

 1.8711, 0.3194,
0.2545

178.8101, 0.3149,
0.3110

 0.5309, 0.3261,
0.2113

219.6802, 0.3147,

 0.0000, 0.0000,

0.3122

0.0000

266.3467, 0.3146,
0.3132

■ 33.7899, 0.3162,
0.2983

■ 33.7899, 0.3162,
0.2983

■ 28.5871, 0.3190,
0.2755

■ 39.8213, 0.3136,
0.3207

■ 24.1723, 0.3221,
0.2530

■ 46.7109, 0.3113,
0.3421

■ 20.5080, 0.3254,
0.2314

■ 54.4923, 0.3093,
0.3624

■ 17.5519, 0.3288,
0.2118

■ 63.1959, 0.3076,
0.3812

■ 15.2576, 0.3323,
0.1950

■ 72.8508, 0.3060,
0.3986

■ 13.5731, 0.3356,
0.1819

■ 83.4846, 0.3047,
0.4145

■ 12.4386, 0.3388,
0.1729

■ 83.9173, 0.3039,
0.4133

■ 11.7824, 0.3417,
0.1681

■ 83.9790, 0.3032,
0.4116

■ 11.5170, 0.3434,
0.1665

■ 84.0413, 0.3024,
0.4098

Harmonies

Analogous

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



33.7899, 0.2928, 0.2900



33.7899, 0.3162, 0.2983



33.7899, 0.3394, 0.3140

Triad

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



33.7899, 0.3162, 0.2983



33.7899, 0.3508, 0.3670



33.7899, 0.2716, 0.3218

Complementary

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



33.7899, 0.3162, 0.2983



39.0434, 0.3094, 0.3617

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.



33.7899, 0.2861, 0.3443



33.7899, 0.3162, 0.2983



33.7899, 0.3316, 0.3711

Square

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



33.7899, 0.3162, 0.2983



33.7899, 0.3598, 0.3530



33.7899, 0.3079, 0.3628



33.7899, 0.2678, 0.3026

Rectangle

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



33.7899, 0.3162, 0.2983



33.7899, 0.3513, 0.3269



33.7899, 0.3079, 0.3628



33.7899, 0.2753, 0.3293

Sweetspot

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



33.7914, 0.3162, 0.2983



71.9000, 0.3137, 0.3201



31.5402, 0.2929, 0.2933



15.7887, 0.3139, 0.3185



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.7914, 0.3162, 0.2983



57.8108, 0.3172, 0.2904



33.3510, 0.3277, 0.3148



8.1362, 0.3150, 0.3085



8.3520, 0.3431, 0.1664



0.2357, 0.3357, 0.1623

Inverse Universe

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



33.7914, 0.3162, 0.2983



57.8108, 0.3172, 0.2904



39.4567, 0.2998, 0.3437



8.1362, 0.3150, 0.3085



8.3520, 0.3431, 0.1664



0.2357, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 33.7899, 0.3162, 0.2983 looks on a white background.

Color Contrast Check

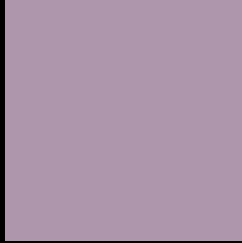
Large Text (above 18pt) WCAG AA × Fail

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 33.7899, 0.3162, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

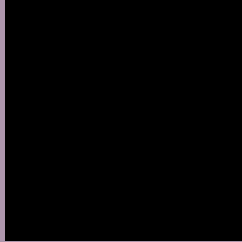
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7899, 0.3162, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 33.7899, 0.3162, 0.2983.



This preview shows how white text looks on a background with the Yxy color 33.7899, 0.3162, 0.2983.

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

33.7899, 0.3162, 0.2983

Protanopia

33.8801, 0.2942, 0.2999

Deuteranopia

33.8297, 0.3090, 0.3033



Tritanopia

33.6618, 0.3236, 0.3120

Trichromacy



Original Color

33.7899, 0.3162, 0.2983

Protanomaly

33.8877, 0.3016, 0.2989

Deuteranomaly

33.8318, 0.3120, 0.3021

Tritanomaly

33.7706, 0.3207, 0.3079

Monochromacy



Original Color

33.7899, 0.3162, 0.2983

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.4566, 0.3142, 0.3175

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7899, 0.3162, 0.2983 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(174, 150, 172)` looks like.

```
.text, #text, p{  
    color:rgb(174, 150, 172)  
}
```

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(174, 150, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 150, 172) }
```

Border

The CSS property to change the border of an element to Yxy 33.7899, 0.3162, 0.2983 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(174, 150, 172) }
```

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

```
.border{ border-color:rgb(174, 150, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 150, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 150, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 150, 172);  
box-shadow:4px 4px 4px 4px rgb(174, 150,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7899, 0.3162, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 150, 172) }
```

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

```
.background{ background-color: rgb(174,  
150, 172) }
```

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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