

Converting Colors

$Y_{xy}(33.1279, 0.3211, 0.3099)$

Have a look what the booklet for
Yxy(33.1279, 0.3211, 0.3099)
contains.

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Color

Yxy(33.1150, 0.3217, 0.3105)

Conversions

Conversions Part 1

Format	Color
Hex	AB96A3
RGB	171, 150, 163
RGB Percent	67%, 59%, 64%
CMY	0.3294, 0.4117, 0.3608
CMYK	0.00, 0.12, 0.05, 0.33
HSL	323°, 11%, 63%
HSV	323°, 12%, 67%
XYZ	34.3095, 33.1150, 39.2261
YIQ	157.7610, 8.3430, 8.4950

Conversions

Conversions Part 2

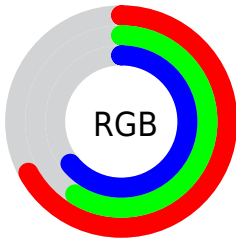
Format	Color
RYB	171, 150, 163
Decimal	11245219
CIELab	64.25, 10.09, -3.94
CIELCh	64, 10.830, 338.661
Yxy	33.1150, 0.3217, 0.3105
Android (android.graphics.Color)	4289435299 (0xFFAB96A3)
YUV	157.7610, 2.5828, 11.6106
Hunter-Lab	57.5456, 5.7193, -0.1332

Details

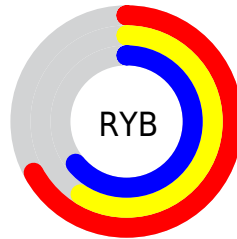
The Yxy color **33.1150, 0.3217, 0.3105** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0776, 0.3047, 0.3482**, and the grayscale version is **34.0635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4164, 0.3195, 0.3137**, and **13.9933, 0.3256, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **27.8233, 0.3305, 0.2947**, and if you desaturate by 10%, it is **39.2180, 0.3142, 0.3257**.

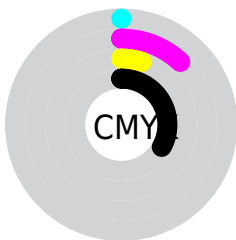
Distribution



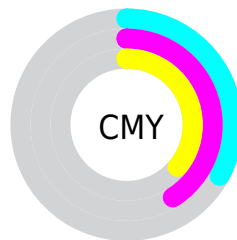
- Red (67%)
- Green (59%)
- Blue (64%)



- Red (67%)
- Yellow (59%)
- Blue (64%)



- Cyan (0%)
- Magenta (12%)
- Yellow (5%)
- Black (33%)





- Cyan (33%)
- Magenta (41%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1150, 0.3217, 0.3105 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 33.1150, 0.3217, 0.3105 by changing the saturation by 10% instead.


 33.1150, 0.3217,
0.3105


 33.1150, 0.3217,
0.3105


316.1676, 0.3170,
0.3202

 22.2146, 0.3229,
0.3080


 64.5550, 0.3200,
0.3141

 14.0146, 0.3246,
0.3046


 85.8634, 0.3193,
0.3154

 8.1308, 0.3268,
0.3000


111.4099, 0.3188,
0.3165

 4.1788, 0.3301,
0.2932

141.5789, 0.3183,
0.3175

 1.7741, 0.3354,
0.2822

176.7547, 0.3179,
0.3183

 0.4709, 0.3553,
0.2411

217.3219, 0.3176,

 0.0000, 0.0000,

0.3190

0.0000

263.6647, 0.3173,
0.3196

■ 33.1150, 0.3217,
0.3105

■ 33.1150, 0.3217,
0.3105

■ 27.8233, 0.3305,
0.2947

■ 39.2180, 0.3142,
0.3257

■ 23.3040, 0.3409,
0.2786

■ 46.1605, 0.3080,
0.3400

■ 19.5216, 0.3530,
0.2628

■ 53.9744, 0.3028,
0.3533

■ 16.4360, 0.3667,
0.2481

■ 62.6890, 0.2984,
0.3656

■ 14.0032, 0.3819,
0.2355

■ 72.3318, 0.2948,
0.3770

■ 12.1742, 0.3983,
0.2260

■ 82.9296, 0.2918,
0.3874

■ 10.8931, 0.4154,
0.2208

■ 84.7643, 0.2885,
0.3820

■ 10.0933, 0.4325,
0.2205

■ 85.0936, 0.2852,
0.3743

■ 9.6923, 0.4457,
0.2229

■ 85.4362, 0.2819,
0.3666

Harmonies

Analogous

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



33.1150, 0.3045, 0.3023



33.1150, 0.3217, 0.3105



33.1150, 0.3368, 0.3234

Triad

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



33.1150, 0.3217, 0.3105



33.1150, 0.3356, 0.3581



33.1150, 0.2811, 0.3186

Complementary

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



33.1150, 0.3217, 0.3105



38.0776, 0.3047, 0.3482

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.



33.1150, 0.2890, 0.3341



33.1150, 0.3217, 0.3105



33.1150, 0.3203, 0.3575

Square

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



33.1150, 0.3217, 0.3105



33.1150, 0.3449, 0.3508



33.1150, 0.3032, 0.3487



33.1150, 0.2814, 0.3065

Rectangle

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



33.1150, 0.3217, 0.3105



33.1150, 0.3435, 0.3331



33.1150, 0.3032, 0.3487



33.1150, 0.2829, 0.3236

Sweetspot

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



33.1164, 0.3217, 0.3105



68.1686, 0.3155, 0.3230



31.9945, 0.3010, 0.2982



15.0150, 0.3160, 0.3219



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.



33.1164, 0.3217, 0.3105



56.3283, 0.3242, 0.3058



32.7662, 0.3316, 0.3250



8.0955, 0.3194, 0.3151



7.3176, 0.4441, 0.2220



0.2138, 0.3980, 0.1966

Inverse Universe

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



33.1164, 0.3217, 0.3105



56.3283, 0.3242, 0.3058



38.4428, 0.2965, 0.3330



8.0955, 0.3194, 0.3151



7.3176, 0.4441, 0.2220



0.2138, 0.3980, 0.1966

Previews

White Background



This preview shows how the Yxy color 33.1150, 0.3217, 0.3105 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 33.1150, 0.3217, 0.3105 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 33.1150, 0.3217, 0.3105

Background



This preview shows how black text looks on a background with the Yxy color 33.1150, 0.3217, 0.3105.



This preview shows how white text looks on a background with the Yxy color 33.1150, 0.3217, 0.3105.

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

33.1150, 0.3217, 0.3105

Protanopia

33.2638, 0.3038, 0.3127

Deuteranopia

33.1024, 0.3186, 0.3117



Tritanopia

33.0793, 0.3227, 0.3119

Trichromacy



Original Color

33.1150, 0.3217, 0.3105

Protanomaly

33.0761, 0.3096, 0.3114

Deuteranomaly

33.2126, 0.3196, 0.3118

Tritanomaly

33.0793, 0.3227, 0.3119

Monochromacy



Original Color

33.1150, 0.3217, 0.3105

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.7673, 0.3160, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1150, 0.3217, 0.3105 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(171, 150, 163)` looks like.

```
.text, #text, p{  
    color:rgb(171, 150, 163)  
}
```

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(171, 150, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 150, 163) }
```

Border

The CSS property to change the border of an element to Yxy 33.1150, 0.3217, 0.3105 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(171, 150, 163) }
```

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

```
.border{ border-color:rgb(171, 150, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 150, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 150, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 150, 163);  
box-shadow:4px 4px 4px 4px rgb(171, 150,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1150, 0.3217, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 150, 163) }
```

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

```
.background{ background-color: rgb(171,  
150, 163) }
```

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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