

Converting Colors

$Y_{xy}(34.2336, 0.3228, 0.3071)$

Have a look what the booklet for
Yxy(34.2336, 0.3228, 0.3071)
contains.

Yxy(34.1533, 0.3228, 0.3067)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.1533, 0.3228, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	B097A7
RGB	176, 151, 167
RGB Percent	69%, 59%, 65%
CMY	0.3098, 0.4078, 0.3451
CMYK	0.00, 0.14, 0.05, 0.31
HSL	322°, 14%, 64%
HSV	322°, 14%, 69%
XYZ	35.9462, 34.1533, 41.2579
YIQ	160.2990, 9.7640, 10.2760

Conversions

Conversions Part 2

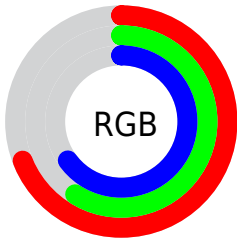
Format	Color
RYB	176, 151, 167
Decimal	11573159
CIELab	65.08, 12.08, -4.93
CIELCh	65, 13.048, 337.821
Yxy	34.1533, 0.3228, 0.3067
Android (android.graphics.Color)	4289763239 (0xFFB097A7)
YUV	160.2990, 3.3036, 13.7698
Hunter-Lab	58.4408, 7.5215, -0.9488

Details

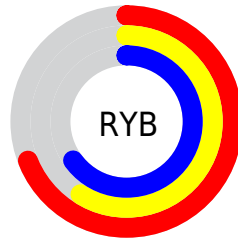
The Yxy color **34.1533, 0.3228, 0.3067** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.1685, 0.3038, 0.3524**, and the grayscale version is **35.2808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0924, 0.3212, 0.3108**, and **14.5631, 0.3256, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **28.6776, 0.3315, 0.2903**, and if you desaturate by 10%, it is **40.4892, 0.3154, 0.3226**.

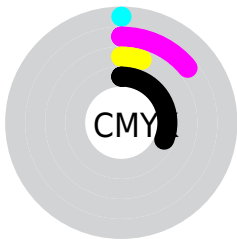
Distribution



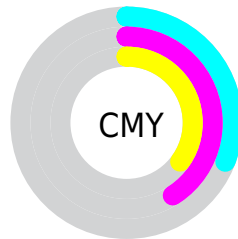
- Red (69%)
- Green (59%)
- Blue (65%)



- Red (69%)
- Yellow (59%)
- Blue (65%)



- Cyan (0%)
- Magenta (14%)
- Yellow (5%)
- Black (31%)





- Cyan (31%)
- Magenta (41%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1533, 0.3228, 0.3067 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 34.1533, 0.3228, 0.3067 by changing the saturation by 10% instead.


 34.1533, 0.3228,
0.3067


 34.1533, 0.3228,
0.3067


320.8151, 0.3176,
0.3182

 23.0114, 0.3242,
0.3037


 66.1720, 0.3209,
0.3110

 14.6019, 0.3259,
0.2997


 87.8176, 0.3202,
0.3126

 8.5405, 0.3284,
0.2943


113.7332, 0.3196,
0.3139

 4.4427, 0.3319,
0.2865

144.3031, 0.3190,
0.3150

 1.9242, 0.3375,
0.2740

179.9119, 0.3186,
0.3160

 0.5628, 0.3532,
0.2395

220.9439, 0.3182,

 0.0000, 0.0000,

0.3168

0.0000

267.7835, 0.3179,
0.3176

■ 34.1533, 0.3228,
0.3067

■ 34.1533, 0.3228,
0.3067

■ 28.6776, 0.3315,
0.2903

■ 40.4892, 0.3154,
0.3226

■ 24.0200, 0.3416,
0.2736

■ 47.7160, 0.3093,
0.3376

■ 20.1418, 0.3533,
0.2575

■ 55.8683, 0.3041,
0.3516

■ 16.9992, 0.3665,
0.2426

■ 64.9777, 0.2998,
0.3646

■ 14.5441, 0.3810,
0.2301

■ 75.0742, 0.2962,
0.3766

■ 12.7227, 0.3964,
0.2210

■ 85.1585, 0.2932,
0.3860

■ 11.4729, 0.4124,
0.2163

■ 85.4707, 0.2899,
0.3785

■ 10.7201, 0.4282,
0.2167

■ 85.7955, 0.2866,
0.3710

■ 10.4145, 0.4373,
0.2183

■ 86.1329, 0.2834,
0.3636

Harmonies

Analogous

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



34.1533, 0.3023, 0.2972



34.1533, 0.3228, 0.3067



34.1533, 0.3410, 0.3218

Triad

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



34.1533, 0.3228, 0.3067



34.1533, 0.3404, 0.3636



34.1533, 0.2753, 0.3169

Complementary

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



34.1533, 0.3228, 0.3067



40.1685, 0.3038, 0.3524

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.



34.1533, 0.2849, 0.3356



34.1533, 0.3228, 0.3067



34.1533, 0.3222, 0.3634

Square

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



34.1533, 0.3228, 0.3067



34.1533, 0.3513, 0.3544



34.1533, 0.3019, 0.3530



34.1533, 0.2754, 0.3024

Rectangle

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



34.1533, 0.3228, 0.3067



34.1533, 0.3492, 0.3333



34.1533, 0.3019, 0.3530



34.1533, 0.2775, 0.3229

Sweetspot

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



34.1548, 0.3228, 0.3067



73.5967, 0.3154, 0.3228



32.7173, 0.2986, 0.2929



15.7530, 0.3159, 0.3216



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.



34.1548, 0.3228, 0.3067



58.7076, 0.3253, 0.3017



33.7229, 0.3347, 0.3237



8.5938, 0.3191, 0.3145



7.6528, 0.4358, 0.2174



0.2515, 0.3962, 0.1956

Inverse Universe

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



34.1548, 0.3228, 0.3067



58.7076, 0.3253, 0.3017



40.6186, 0.2943, 0.3343



8.5938, 0.3191, 0.3145



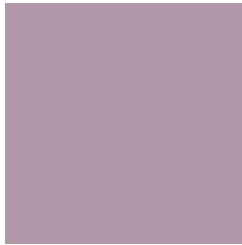
7.6528, 0.4358, 0.2174



0.2515, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 34.1533, 0.3228, 0.3067 looks on a white background.

Color Contrast Check

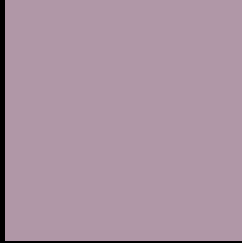
Large Text (above 18pt) WCAG AA × Fail

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 34.1533, 0.3228, 0.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

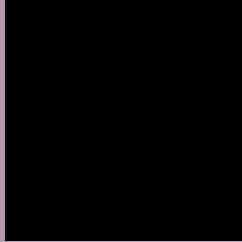
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1533, 0.3228, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 34.1533, 0.3228, 0.3067.



This preview shows how white text looks on a background with the Yxy color 34.1533, 0.3228, 0.3067.

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

34.1533, 0.3228, 0.3067

Protanopia

34.2223, 0.3003, 0.3086

Deuteranopia

34.1185, 0.3166, 0.3091



Tritanopia

34.3309, 0.3265, 0.3136

Trichromacy



Original Color

34.1533, 0.3228, 0.3067

Protanomaly

34.2375, 0.3079, 0.3075

Deuteranomaly

34.0171, 0.3187, 0.3078

Tritanomaly

34.3669, 0.3256, 0.3122

Monochromacy



Original Color

34.1533, 0.3228, 0.3067

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.8653, 0.3160, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1533, 0.3228, 0.3067 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(176, 151, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 151, 167)  
}
```

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(176, 151, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 151, 167) }
```

Border

The CSS property to change the border of an element to Yxy 34.1533, 0.3228, 0.3067 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(176, 151, 167) }
```

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

```
.border{ border-color:rgb(176, 151, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 151, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 151, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 151, 167);  
box-shadow:4px 4px 4px 4px rgb(176, 151,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1533, 0.3228, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 151, 167) }
```

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

```
.background{ background-color: rgb(176,  
151, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor