

Converting Colors

$Y_{xy}(34.7788, 0.3060, 0.3091)$

Have a look what the booklet for
Yxy(34.7788, 0.3060, 0.3091)
contains.

Yxy(34.8407, 0.3060, 0.3089)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.8407, 0.3060, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	A39DAB
RGB	163, 157, 171
RGB Percent	64%, 62%, 67%
CMY	0.3607, 0.3843, 0.3294
CMYK	0.05, 0.08, 0.00, 0.33
HSL	266°, 8%, 64%
HSV	266°, 8%, 67%
XYZ	34.5136, 34.8407, 43.4353
YIQ	160.3900, -0.9180, 5.6260

Conversions

Conversions Part 2

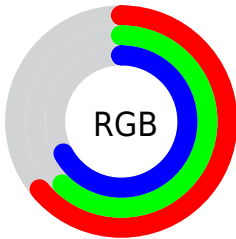
Format	Color
RYB	163, 157, 171
Decimal	10722731
CIELab	65.62, 4.88, -6.50
CIELCh	66, 8.128, 306.941
Yxy	34.8407, 0.3060, 0.3089
Android (android.graphics.Color)	4288912811 (0xFFA39DAB)
YUV	160.3900, 5.2307, 2.2890
Hunter-Lab	59.0260, 1.0768, -2.3113

Details

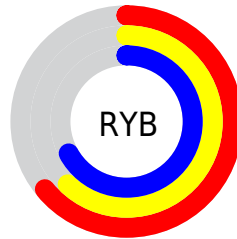
The Yxy color **34.8407, 0.3060, 0.3089** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5601, 0.3190, 0.3490**, and the grayscale version is **35.3203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4834, 0.3076, 0.3136**, and **15.0195, 0.3031, 0.3027** is the 20% darker color. If you saturate the color by 10%, you get **28.4641, 0.2966, 0.2824**, and if you desaturate by 10%, it is **42.1096, 0.3141, 0.3332**.

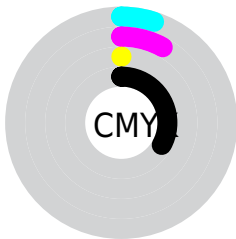
Distribution



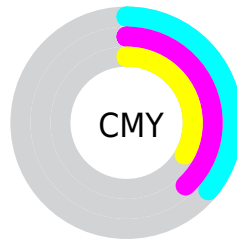
- Red (64%)
- Green (62%)
- Blue (67%)



- Red (64%)
- Yellow (62%)
- Blue (67%)



- Cyan (5%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)



- Cyan (36%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8407, 0.3060, 0.3089 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 34.8407, 0.3060, 0.3089 by changing the saturation by 10% instead.

■ 34.8407, 0.3060,
0.3089

■ 34.8407, 0.3060,
0.3089

■ 323.8646, 0.3096,
0.3193

■ 23.5402, 0.3050,
0.3062

■ 67.2389, 0.3073,
0.3128

■ 14.9929, 0.3038,
0.3026

■ 89.1054, 0.3078,
0.3142

■ 8.8144, 0.3020,
0.2977

■ 115.2627, 0.3082,
0.3154

■ 4.6203, 0.2993,
0.2905

■ 146.0951, 0.3086,
0.3164

■ 2.0263, 0.2949,
0.2791

■ 181.9872, 0.3089,
0.3173

■ 0.6227, 0.2872,
0.2515

■ 223.3232, 0.3091,

■ 0.0000, 0.0000,

0.3181

0.0000

270.4875, 0.3094,
0.3187

■ 34.8407, 0.3060,
0.3089

■ 34.8407, 0.3060,
0.3089

■ 28.4641, 0.2966,
0.2824

■ 42.1096, 0.3141,
0.3332

■ 22.9402, 0.2858,
0.2539

■ 50.2997, 0.3210,
0.3553

■ 18.2329, 0.2736,
0.2241

■ 59.4438, 0.3267,
0.3750

■ 14.3015, 0.2602,
0.1938

■ 69.5721, 0.3316,
0.3926

■ 11.1021, 0.2460,
0.1645

■ 80.7131, 0.3357,
0.4083

8.5861, 0.2313,
0.1375

89.9224, 0.3399,
0.4181

6.6985, 0.2170,
0.1144

91.5046, 0.3465,
0.4162

5.3758, 0.2037,
0.0965

93.1773, 0.3531,
0.4143

4.5104, 0.1919,
0.0840

94.9421, 0.3598,
0.4123

Harmonies

Analogous

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



34.8407, 0.2953, 0.3081



34.8407, 0.3060, 0.3089



34.8407, 0.3187, 0.3148

Triad

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



34.8407, 0.3060, 0.3089



34.8407, 0.3366, 0.3447



34.8407, 0.2957, 0.3335

Complementary

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



34.8407, 0.3060, 0.3089



39.5601, 0.3190, 0.3490

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.



34.8407, 0.3065, 0.3439



34.8407, 0.3060, 0.3089



34.8407, 0.3302, 0.3503

Square

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



34.8407, 0.3060, 0.3089



34.8407, 0.3366, 0.3352



34.8407, 0.3191, 0.3501



34.8407, 0.2895, 0.3221

Rectangle

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



34.8407, 0.3060, 0.3089



34.8407, 0.3266, 0.3209



34.8407, 0.3191, 0.3501



34.8407, 0.2989, 0.3373

Sweetspot

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



34.8422, 0.3060, 0.3089



70.2142, 0.3111, 0.3242



37.0798, 0.3003, 0.3205



15.6910, 0.3112, 0.3244



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.



34.8422, 0.3060, 0.3089



60.0022, 0.3042, 0.3038



35.5823, 0.3125, 0.3093



7.9190, 0.3050, 0.3060



3.3261, 0.1909, 0.0825



0.1252, 0.2274, 0.1026

Inverse Universe

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



35.4887, 0.3191, 0.3177



61.4295, 0.3208, 0.3149



38.8476, 0.3128, 0.3494



8.0891, 0.3201, 0.3161



7.1966, 0.4633, 0.2326



0.2109, 0.4096, 0.2030

Previews

White Background



This preview shows how the Yxy color 34.8407, 0.3060, 0.3089 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 34.8407, 0.3060, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

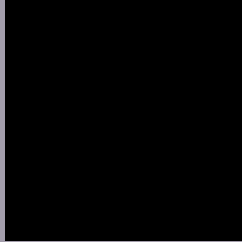
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

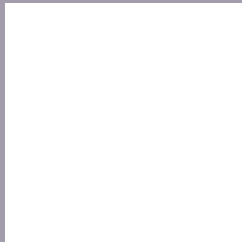
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8407, 0.3060, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 34.8407, 0.3060, 0.3089.

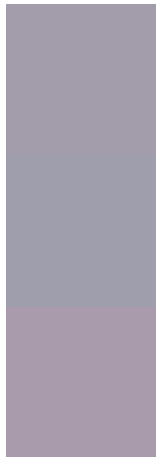


This preview shows how white text looks on a background with the Yxy color 34.8407, 0.3060, 0.3089.

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

34.8407, 0.3060, 0.3089

Protanopia

34.8032, 0.3013, 0.3087

Deuteranopia

34.8180, 0.3118, 0.3064



Tritanopia

34.8028, 0.3069, 0.3103

Trichromacy



Original Color

34.8407, 0.3060, 0.3089

Protanomaly

34.9059, 0.3023, 0.3088

Deuteranomaly

34.9327, 0.3098, 0.3077

Tritanomaly

34.8028, 0.3069, 0.3103

Monochromacy



Original Color

34.8407, 0.3060, 0.3089

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.0537, 0.3102, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8407, 0.3060, 0.3089 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(163, 157, 171)` looks like.

```
.text, #text, p{  
    color:rgb(163, 157, 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(163, 157, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 157, 171) }
```

Border

The CSS property to change the border of an element to Yxy 34.8407, 0.3060, 0.3089 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(163, 157, 171) }
```

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

```
.border{ border-color:rgb(163, 157, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 157, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 157, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 157, 171);  
box-shadow:4px 4px 4px 4px rgb(163, 157,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8407, 0.3060, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 157, 171) }
```

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

```
.background{ background-color: rgb(163,  
157, 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](#).

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