

Converting Colors

$Y_{xy}(31.7413, 0.3259, 0.3169)$

Have a look what the booklet for
Yxy(31.7413, 0.3259, 0.3169)
contains.

Yxy(31.9049, 0.3257, 0.3174)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.9049, 0.3257, 0.3174)

Conversions

Conversions Part 1

Format	Color
Hex	A8949C
RGB	168, 148, 156
RGB Percent	66%, 58%, 61%
CMY	0.3411, 0.4196, 0.3883
CMYK	0.00, 0.12, 0.07, 0.34
HSL	336°, 10%, 62%
HSV	336°, 12%, 66%
XYZ	32.7392, 31.9049, 35.8754
YIQ	154.8920, 9.3520, 6.7280

Conversions

Conversions Part 2

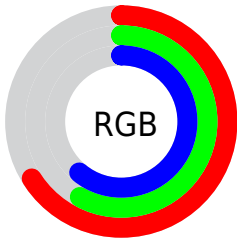
Format	Color
RYB	168, 148, 156
Decimal	11048092
CIELab	63.26, 8.84, -1.47
CIElCh	63, 8.960, 350.529
Yxy	31.9049, 0.3257, 0.3174
Android (android.graphics.Color)	4289238172 (0xFFA8949C)
YUV	154.8920, 0.5462, 11.4957
Hunter-Lab	56.4844, 4.6135, 1.8817

Details

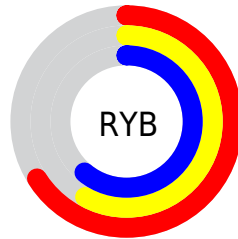
The Yxy color **31.9049, 0.3257, 0.3174** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.8448, 0.3013, 0.3409**, and the grayscale version is **32.7232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5822, 0.3232, 0.3201**, and **13.2823, 0.3301, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **26.6843, 0.3392, 0.3071**, and if you desaturate by 10%, it is **37.9218, 0.3146, 0.3272**.

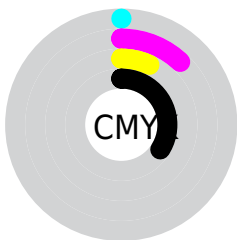
Distribution



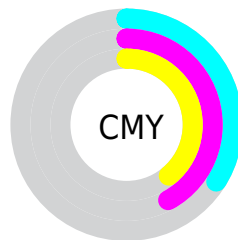
- Red (66%)
- Green (58%)
- Blue (61%)



- Red (66%)
- Yellow (58%)
- Blue (61%)



- Cyan (0%)
- Magenta (12%)
- Yellow (7%)
- Black (34%)





- Cyan (34%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9049, 0.3257, 0.3174 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 31.9049, 0.3257, 0.3174 by changing the saturation by 10% instead.


 31.9049, 0.3257,
0.3174


 31.9049, 0.3257,
0.3174


310.6858, 0.3188,
0.3235

 21.2889, 0.3276,
0.3158


 62.6620, 0.3231,
0.3197

 13.3353, 0.3300,
0.3136


 83.5718, 0.3222,
0.3206

 7.6599, 0.3335,
0.3105


108.6817, 0.3214,
0.3213

 3.8781, 0.3387,
0.3059

138.3760, 0.3207,
0.3219

 1.6056, 0.3475,
0.2984

173.0392, 0.3201,
0.3224

 0.3614, 0.3946,
0.2550


213.0557, 0.3196,


 0.0000, 0.0000,

0.3228


0.0000


258.8097, 0.3192,
0.3232

 31.9049, 0.3257,
0.3174


 31.9049, 0.3257,
0.3174

 26.6843, 0.3392,
0.3071


 37.9218, 0.3146,
0.3272


 22.2223, 0.3554,
0.2965


 44.7623, 0.3055,
0.3363


 18.4845, 0.3748,
0.2860

 52.4576, 0.2980,
0.3448

 15.4318, 0.3977,
0.2764

 61.0359, 0.2918,
0.3526

 13.0220, 0.4239,
0.2685

 70.5243, 0.2867,
0.3596

■ 11.2076, 0.4528,
0.2636

■ 80.9486, 0.2824,
0.3661

■ 9.9347, 0.4833,
0.2627

■ 85.3757, 0.2779,
0.3609

■ 9.1394, 0.5134,
0.2669

■ 85.9492, 0.2729,
0.3492

■ 8.7310, 0.5367,
0.2730

■ 86.5559, 0.2680,
0.3378

Harmonies

Analogous

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



31.9049, 0.3115, 0.3086



31.9049, 0.3257, 0.3174



31.9049, 0.3365, 0.3292

Triad

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



31.9049, 0.3257, 0.3174



31.9049, 0.3273, 0.3540



31.9049, 0.2854, 0.3158

Complementary

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



31.9049, 0.3257, 0.3174



36.8448, 0.3013, 0.3409

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.



31.9049, 0.2894, 0.3281



31.9049, 0.3257, 0.3174



31.9049, 0.3134, 0.3506

Square

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



31.9049, 0.3257, 0.3174



31.9049, 0.3374, 0.3504



31.9049, 0.2996, 0.3410



31.9049, 0.2885, 0.3075

Rectangle

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



31.9049, 0.3257, 0.3174



31.9049, 0.3402, 0.3374



31.9049, 0.2996, 0.3410



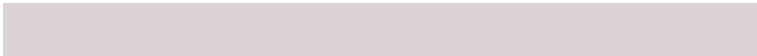
31.9049, 0.2860, 0.3196

Sweetspot

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



31.9063, 0.3257, 0.3174



66.3173, 0.3168, 0.3251



31.4826, 0.3061, 0.2996



14.2749, 0.3176, 0.3244



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



31.9063, 0.3257, 0.3174



55.5385, 0.3286, 0.3150



32.2781, 0.3333, 0.3320



7.5900, 0.3226, 0.3200



6.6019, 0.5341, 0.2716



0.1708, 0.4487, 0.2245

Inverse Universe

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



31.9063, 0.3257, 0.3174



55.5385, 0.3286, 0.3150



36.3999, 0.2948, 0.3260



7.5900, 0.3226, 0.3200



6.6019, 0.5341, 0.2716



0.1708, 0.4487, 0.2245

Previews

White Background



This preview shows how the Yxy color 31.9049, 0.3257, 0.3174 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 31.9049, 0.3257, 0.3174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

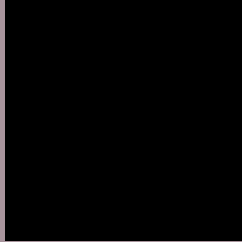
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9049, 0.3257, 0.3174

Background



This preview shows how black text looks on a background with the Yxy color 31.9049, 0.3257, 0.3174.



This preview shows how white text looks on a background with the Yxy color 31.9049, 0.3257, 0.3174.

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

31.9049, 0.3257, 0.3174

Protanopia

31.8297, 0.3082, 0.3184

Deuteranopia

31.7956, 0.3246, 0.3173



Tritanopia

32.0078, 0.3227, 0.3131

Trichromacy



Original Color

31.9049, 0.3257, 0.3174

Protanomaly

31.9728, 0.3142, 0.3186

Deuteranomaly

31.7956, 0.3246, 0.3173

Tritanomaly

31.9733, 0.3237, 0.3145

Monochromacy



Original Color

31.9049, 0.3257, 0.3174

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.2966, 0.3180, 0.3245

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9049, 0.3257, 0.3174 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(168, 148, 156)` looks like.

```
.text, #text, p{  
    color:rgb(168, 148, 156)  
}
```

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(168, 148, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 148, 156) }
```

Border

The CSS property to change the border of an element to Yxy 31.9049, 0.3257, 0.3174 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(168, 148, 156) }
```

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

```
.border{ border-color:rgb(168, 148, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 148, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 148, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 148, 156);  
box-shadow:4px 4px 4px 4px rgb(168, 148,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9049, 0.3257, 0.3174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 148, 156) }
```

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

```
.background{ background-color: rgb(168,  
148, 156) }
```

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