

# Converting Colors

$Yxy(31.7848, 0.2941, 0.2824)$

Have a look what the booklet for  
Yxy(31.7848, 0.2941, 0.2824)  
contains.

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# Color

**Yxy(31.8460, 0.2943, 0.2829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9F94B4
RGB	159, 148, 180
RGB Percent	62%, 58%, 71%
CMY	0.3764, 0.4196, 0.2940
CMYK	0.12, 0.18, 0.00, 0.29
HSL	261°, 18%, 64%
HSV	261°, 18%, 71%
XYZ	33.1293, 31.8460, 47.5945
YIQ	154.9370, -3.7160, 12.2840

# Conversions

## Conversions Part 2

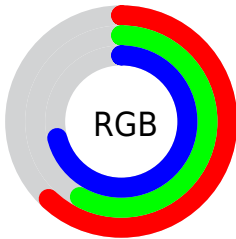
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 148, 180
Decimal	10458292
CIELab	63.22, 10.43, -15.21
CIELCh	63, 18.442, 304.457
Yxy	31.8460, 0.2943, 0.2829
Android (android.graphics.Color)	4288648372 (0xFF9F94B4)
YUV	154.9370, 12.3561, 3.5633
Hunter-Lab	56.4323, 6.0343, -10.5021

# Details

The Yxy color **31.8460, 0.2943, 0.2829** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.2281, 0.3290, 0.3739**, and the grayscale version is **32.6961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5933, 0.2981, 0.2916**, and **13.2075, 0.2876, 0.2681** is the 20% darker color. If you saturate the color by 10%, you get **25.4814, 0.2818, 0.2538**, and if you desaturate by 10%, it is **39.2070, 0.3052, 0.3098**.

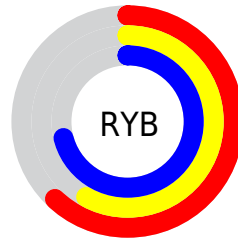
# Distribution



Red (62%)

Green (58%)

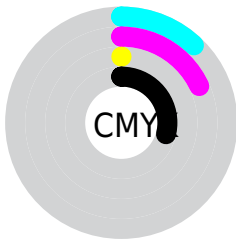
Blue (71%)



Red (62%)

Yellow (58%)

Blue (71%)

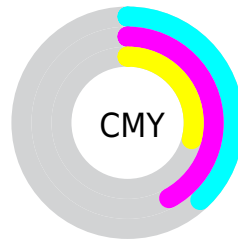


Cyan (12%)

Magenta (18%)

Yellow (0%)

Black (29%)



Cyan (38%)

Magenta (42%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.8460, 0.2943, 0.2829 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 31.8460, 0.2943, 0.2829 by changing the saturation by 10% instead.



■ 31.8460, 0.2943,  
0.2829

■ 31.8460, 0.2943,  
0.2829

310.4171, 0.3043,  
0.3068

■ 21.2439, 0.2916,  
0.2767

■ 62.5696, 0.2981,  
0.2918

■ 13.3024, 0.2879,  
0.2686

■ 83.4599, 0.2995,  
0.2950

■ 7.6371, 0.2827,  
0.2575

108.5483, 0.3006,  
0.2978

■ 3.8636, 0.2749,  
0.2416

138.2194, 0.3016,  
0.3001

■ 1.5976, 0.2618,  
0.2169

172.8574, 0.3024,  
0.3021

■ 0.3560, 0.2385,  
0.1432

212.8467, 0.3031,

■ 0.0000, 0.0000,

0.3039

0.0000

258.5719, 0.3037,  
0.3054

■ 31.8460, 0.2943,  
0.2829

■ 31.8460, 0.2943,  
0.2829

■ 25.4814, 0.2818,  
0.2538

■ 39.2070, 0.3052,  
0.3098

■ 20.0656, 0.2678,  
0.2231

■ 47.6014, 0.3147,  
0.3342

■ 15.5529, 0.2525,  
0.1916

■ 57.0692, 0.3227,  
0.3561

■ 11.8921, 0.2364,  
0.1608

■ 67.6469, 0.3296,  
0.3755

■ 9.0268, 0.2201,  
0.1324

■ 79.3694, 0.3353,  
0.3928

■ 6.8936, 0.2044,  
0.1081

■ 91.6214, 0.3403,  
0.4071

■ 5.4187, 0.1904,  
0.0894

■ 93.6415, 0.3483,  
0.4051

■ 4.4895, 0.1785,  
0.0768

■ 95.7966, 0.3563,  
0.4030

■ 4.3169, 0.1761,  
0.0744

■ 96.0764, 0.3573,  
0.4027

# Harmonies

## Analogous

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



31.8460, 0.2709, 0.2815



31.8460, 0.2943, 0.2829



31.8460, 0.3237, 0.2953

# Triad

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



31.8460, 0.2943, 0.2829



31.8460, 0.3696, 0.3629



31.8460, 0.2749, 0.3415

# Complementary

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



31.8460, 0.2943, 0.2829



43.2281, 0.3290, 0.3739

# 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.



31.8460, 0.3000, 0.3666



31.8460, 0.2943, 0.2829



31.8460, 0.3550, 0.3782

# Square

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



31.8460, 0.2943, 0.2829



31.8460, 0.3683, 0.3400



31.8460, 0.3293, 0.3802



31.8460, 0.2601, 0.3138



# Rectangle

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



31.8460, 0.2943, 0.2829



31.8460, 0.3428, 0.3082



31.8460, 0.3293, 0.3802



31.8460, 0.2823, 0.3506

# Sweetspot

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



31.8473, 0.2943, 0.2829



74.9960, 0.3079, 0.3166



38.0986, 0.2856, 0.3135



15.9895, 0.3073, 0.3149



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



31.8473, 0.2943, 0.2829



53.4072, 0.2900, 0.2728



33.5535, 0.3095, 0.2850



8.3674, 0.3037, 0.3058



3.0459, 0.1773, 0.0750



0.1289, 0.2110, 0.0936



# Inverse Universe

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



33.7508, 0.3253, 0.3001



57.4764, 0.3283, 0.2941



41.5964, 0.3151, 0.3758



8.5961, 0.3188, 0.3142



7.7002, 0.4295, 0.2140

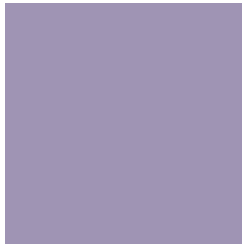


0.2527, 0.3923, 0.1935



# Previews

## White Background



This preview shows how the Yxy color 31.8460, 0.2943, 0.2829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

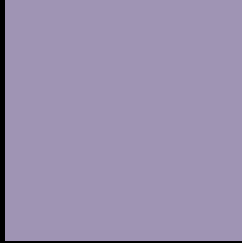
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.8460, 0.2943, 0.2829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

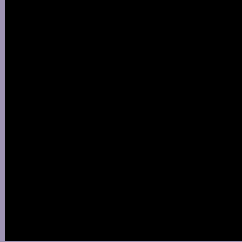
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.8460, 0.2943, 0.2829**

## Background



This preview shows how black text looks on a background with the Yxy color 31.8460, 0.2943, 0.2829.



This preview shows how white text looks on a background with the Yxy color 31.8460, 0.2943, 0.2829.

# 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

31.8460, 0.2943, 0.2829

### Protanopia

32.0369, 0.2818, 0.2847

### Deuteranopia

31.7587, 0.2906, 0.2839



## Tritanopia

31.8455, 0.3066, 0.3111

# Trichromacy



## Original Color

31.8460, 0.2943, 0.2829

## Protanomaly

32.0487, 0.2861, 0.2851

## Deuteranomaly

31.8581, 0.2915, 0.2840

## Tritanomaly

31.8454, 0.3022, 0.3010

# Monochromacy



## Original Color

31.8460, 0.2943, 0.2829

## Achromatopsia

32.7778, 0.3127, 0.3290

## Achromatomaly

32.2047, 0.3057, 0.3111

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.8460, 0.2943, 0.2829 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(159, 148, 180)` looks like.

```
.text, #text, p{  
    color:rgb(159, 148, 180)  
}
```

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(159, 148, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 148, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 31.8460, 0.2943, 0.2829 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(159, 148, 180) }
```

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

```
.border{ border-color:rgb(159, 148, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 148, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 148, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 148, 180);  
box-shadow:4px 4px 4px 4px rgb(159, 148,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.8460, 0.2943, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 148, 180) }
```

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

```
.background{ background-color: rgb(159,  
148, 180) }
```

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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