

Converting Colors

$Y_{xy}(33.9150, 0.2902, 0.2619)$

Have a look what the booklet for
Yxy(33.9150, 0.2902, 0.2619)
contains.

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Color

Yxy(33.9150, 0.2902, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	AB94C6
RGB	171, 148, 198
RGB Percent	67%, 58%, 78%
CMY	0.3294, 0.4196, 0.2235
CMYK	0.14, 0.25, 0.00, 0.22
HSL	268°, 31%, 68%
HSV	268°, 25%, 78%
XYZ	37.5797, 33.9150, 58.0013
YIQ	160.5770, -2.3420, 20.4260

Conversions

Conversions Part 2

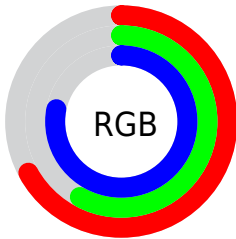
Format	Color
R _Y B	171, 148, 198
Decimal	11244742
CIE Lab	64.90, 18.29, -22.65
CIE LCh	65, 29.117, 308.923
Yxy	33.9150, 0.2902, 0.2619
Android (android.graphics.Color)	4289434822 (0xFFAB94C6)
YUV	160.5770, 18.4495, 9.1410
Hunter-Lab	58.2366, 13.2710, -18.2848

Details

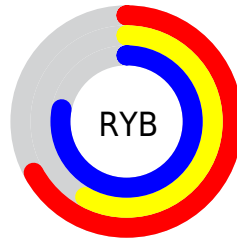
The Yxy color **33.9150, 0.2902, 0.2619** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **51.6491, 0.3310, 0.3955**, and the grayscale version is **35.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7920, 0.2949, 0.2739**, and **14.4146, 0.2821, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **27.0740, 0.2789, 0.2323**, and if you desaturate by 10%, it is **41.9186, 0.3001, 0.2900**.

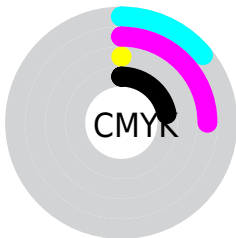
Distribution



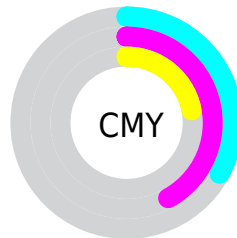
- Red (67%)
- Green (58%)
- Blue (78%)



- Red (67%)
- Yellow (58%)
- Blue (78%)



- Cyan (14%)
- Magenta (25%)
- Yellow (0%)
- Black (22%)





- Cyan (33%)
- Magenta (42%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9150, 0.2902, 0.2619 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 33.9150, 0.2902, 0.2619 by changing the saturation by 10% instead.


 33.9150, 0.2902,
0.2619


 33.9150, 0.2902,
0.2619


319.7529, 0.3024,
0.2956

 22.8283, 0.2868,
0.2535

 65.8015, 0.2949,
0.2742

 14.4668, 0.2824,
0.2427


 87.3700, 0.2966,
0.2788

 8.4460, 0.2761,
0.2285


113.2013, 0.2980,
0.2827

 4.3817, 0.2669,
0.2088

143.6798, 0.2991,
0.2860

 1.8893, 0.2519,
0.1802

179.1898, 0.3001,
0.2889

 0.5419, 0.2271,
0.1272

220.1157, 0.3010,

 0.0000, 0.0000,

0.2914

0.0000

266.8419, 0.3018,
0.2936

■ 33.9150, 0.2902,
0.2619

■ 33.9150, 0.2902,
0.2619

■ 27.0740, 0.2789,
0.2323

■ 41.9186, 0.3001,
0.2900

■ 21.3349, 0.2664,
0.2022

■ 51.1330, 0.3087,
0.3161

■ 16.6381, 0.2529,
0.1726

■ 61.6088, 0.3160,
0.3400

■ 12.9161, 0.2388,
0.1452

■ 73.3923, 0.3222,
0.3617

■ 10.0933, 0.2248,
0.1213

■ 86.5277, 0.3274,
0.3810

8.0823, 0.2115,
0.1025

93.2886, 0.3334,
0.3875

6.7768, 0.1995,
0.0893

95.1656, 0.3405,
0.3861

6.3063, 0.1943,
0.0844

96.8580, 0.3466,
0.3850

Harmonies

Analogous

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



33.9150, 0.2534, 0.2565



33.9150, 0.2902, 0.2619



33.9150, 0.3360, 0.2822

Triad

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



33.9150, 0.2902, 0.2619



33.9150, 0.3984, 0.3836



33.9150, 0.2504, 0.3410

Complementary

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



33.9150, 0.2902, 0.2619



51.6491, 0.3310, 0.3955

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.



33.9150, 0.2859, 0.3836



33.9150, 0.2902, 0.2619



33.9150, 0.3718, 0.4067

Square

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



33.9150, 0.2902, 0.2619



33.9150, 0.4011, 0.3494



33.9150, 0.3303, 0.4084



33.9150, 0.2317, 0.2982

Rectangle

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



33.9150, 0.2902, 0.2619



33.9150, 0.3652, 0.3021



33.9150, 0.3303, 0.4084



33.9150, 0.2606, 0.3562

Sweetspot

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



33.9164, 0.2902, 0.2619



85.6380, 0.3064, 0.3089



41.2324, 0.2733, 0.2978



17.7871, 0.3051, 0.3049



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.9164, 0.2902, 0.2619



53.5093, 0.2845, 0.2467



36.9287, 0.3132, 0.2664



10.5225, 0.3053, 0.3056



4.1501, 0.1957, 0.0852



0.2395, 0.2194, 0.0982

Inverse Universe

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



36.2834, 0.3376, 0.2943



58.4575, 0.3443, 0.2869



49.0656, 0.3113, 0.3997



10.7311, 0.3207, 0.3166



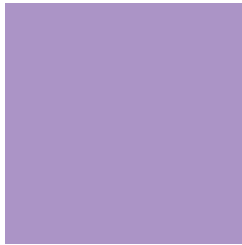
8.5144, 0.4772, 0.2402



0.4177, 0.4360, 0.2175

Previews

White Background



This preview shows how the Yxy color 33.9150, 0.2902, 0.2619 looks on a white background.

Color Contrast Check

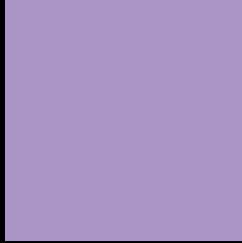
Large Text (above 18pt) WCAG AA × Fail

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 33.9150, 0.2902, 0.2619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

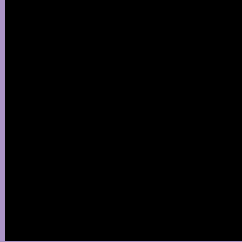
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9150, 0.2902, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 33.9150, 0.2902, 0.2619.



This preview shows how white text looks on a background with the Yxy color 33.9150, 0.2902, 0.2619.

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

33.9150, 0.2902, 0.2619

Protanopia

34.1563, 0.2640, 0.2617

Deuteranopia

33.9147, 0.2755, 0.2687



Tritanopia

33.9714, 0.3135, 0.3118

Trichromacy



Original Color

33.9150, 0.2902, 0.2619

Protanomaly

33.9168, 0.2724, 0.2612

Deuteranomaly

33.9613, 0.2813, 0.2669

Tritanomaly

33.9957, 0.3047, 0.2925

Monochromacy



Original Color

33.9150, 0.2902, 0.2619

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

34.8323, 0.3053, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9150, 0.2902, 0.2619 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, 148, 198)` looks like.

```
.text, #text, p{  
    color:rgb(171, 148, 198)  
}
```

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, 148, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 148, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.9150, 0.2902, 0.2619 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, 148, 198) }
```

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

```
.border{ border-color:rgb(171, 148, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 148, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 148, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 148, 198); box-shadow:4px 4px 4px 4px rgb(171, 148, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9150, 0.2902, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 148, 198) }
```

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

```
.background{ background-color: rgb(171,  
148, 198) }
```

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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