

Converting Colors

$Y_{xy}(31.0271, 0.3133, 0.2898)$

Have a look what the booklet for
Yxy(31.0271, 0.3133, 0.2898)
contains.

Yxy(30.9822, 0.3135, 0.2904)	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(30.9822, 0.3135, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	A98FAA
RGB	169, 143, 170
RGB Percent	66%, 56%, 67%
CMY	0.3371, 0.4393, 0.3332
CMYK	0.01, 0.16, 0.00, 0.33
HSL	298°, 14%, 61%
HSV	298°, 16%, 67%
XYZ	33.4467, 30.9822, 42.2591
YIQ	153.8520, 6.8290, 13.9090

Conversions

Conversions Part 2

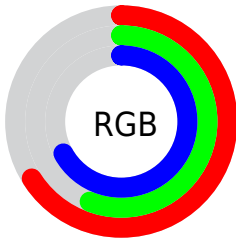
Format	Color
RYB	169, 143, 170
Decimal	11112362
CIELab	62.49, 14.67, -10.55
CIELCh	62, 18.073, 324.265
Yxy	30.9822, 0.3135, 0.2904
Android (android.graphics.Color)	4289302442 (0xFFA98FAA)
YUV	153.8520, 7.9610, 13.2848
Hunter-Lab	55.6617, 9.8515, -6.0507

Details

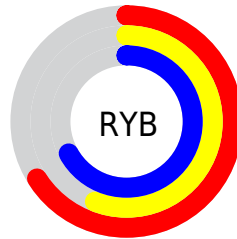
The Yxy color **30.9822, 0.3135, 0.2904** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **36.6693, 0.3117, 0.3706**, and the grayscale version is **32.2110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2160, 0.3134, 0.2984**, and **12.9186, 0.3136, 0.2790** is the 20% darker color. If you saturate the color by 10%, you get **26.1911, 0.3139, 0.2656**, and if you desaturate by 10%, it is **36.5500, 0.3130, 0.3149**.

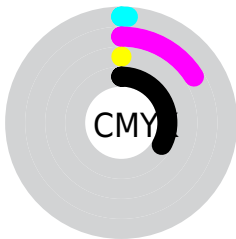
Distribution



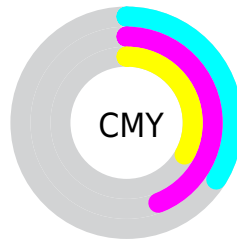
- Red (66%)
- Green (56%)
- Blue (67%)



- Red (66%)
- Yellow (56%)
- Blue (67%)



- Cyan (1%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)




- Cyan (34%)
- Magenta (44%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9822, 0.3135, 0.2904 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 30.9822, 0.3135, 0.2904 by changing the saturation by 10% instead.

 30.9822, 0.3135,
0.2904


 30.9822, 0.3135,
0.2904


 306.4563, 0.3133,
0.3105


 20.5853, 0.3135,
0.2851


 61.2120, 0.3135,
0.2979

 12.8212, 0.3134,
0.2782

 81.8138, 0.3135,
0.3006


 7.3055, 0.3131,
0.2688


 106.5859, 0.3134,
0.3029

 3.6539, 0.3126,
0.2550

 135.9128, 0.3134,
0.3049

 1.4819, 0.3111,
0.2333

 170.1789, 0.3134,
0.3066

 0.2759, 0.3203,
0.1425

 209.7686, 0.3134,

 0.0000, 0.0000,

0.3080

0.0000

255.0663, 0.3133,
0.3093

■ 30.9822, 0.3135,
0.2904

■ 30.9822, 0.3135,
0.2904

■ 26.1911, 0.3139,
0.2656

■ 36.5500, 0.3130,
0.3149

■ 22.1380, 0.3141,
0.2413

■ 42.9229, 0.3125,
0.3386

■ 18.7868, 0.3143,
0.2182

■ 50.1331, 0.3119,
0.3610

■ 16.0970, 0.3142,
0.1975

■ 58.2095, 0.3113,
0.3818

■ 14.0236, 0.3140,
0.1799

■ 67.1797, 0.3108,
0.4011

■ 12.5166, 0.3135,
0.1661

■ 77.0704, 0.3102,
0.4187

■ 11.5175, 0.3129,
0.1565

■ 83.3540, 0.3100,
0.4282

■ 10.9499, 0.3121,
0.1509

■ 83.4256, 0.3104,
0.4281

■ 10.7713, 0.3118,
0.1491

■ 83.4976, 0.3107,
0.4280

Harmonies

Analogous

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



30.9822, 0.2857, 0.2816



30.9822, 0.3135, 0.2904



30.9822, 0.3423, 0.3083

Triad

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



30.9822, 0.3135, 0.2904



30.9822, 0.3609, 0.3737



30.9822, 0.2643, 0.3230

Complementary

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



30.9822, 0.3135, 0.2904



36.6693, 0.3117, 0.3706

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.



30.9822, 0.2828, 0.3506



30.9822, 0.3135, 0.2904



30.9822, 0.3385, 0.3807

Square

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



30.9822, 0.3135, 0.2904



30.9822, 0.3704, 0.3554



30.9822, 0.3099, 0.3724



30.9822, 0.2582, 0.2988

Rectangle

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



30.9822, 0.3135, 0.2904



30.9822, 0.3578, 0.3236



30.9822, 0.3099, 0.3724



30.9822, 0.2692, 0.3322

Sweetspot

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



30.9835, 0.3135, 0.2904



67.1756, 0.3130, 0.3169



28.7923, 0.2875, 0.2894



14.8147, 0.3130, 0.3152



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.



30.9835, 0.3135, 0.2904



53.0492, 0.3136, 0.2819



30.6545, 0.3266, 0.3075



7.6524, 0.3132, 0.3067



7.9265, 0.3119, 0.1492



0.1970, 0.3151, 0.1509

Inverse Universe

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



30.2039, 0.3410, 0.3276



51.3733, 0.3485, 0.3273



36.9691, 0.3009, 0.3516



7.5466, 0.3280, 0.3282



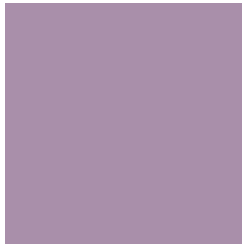
6.2985, 0.6350, 0.3272



0.1546, 0.6127, 0.3149

Previews

White Background



This preview shows how the Yxy color 30.9822, 0.3135, 0.2904 looks on a white background.

Color Contrast Check

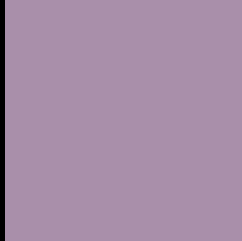
Large Text (above 18pt) WCAG AA × Fail

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 30.9822, 0.3135, 0.2904 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 30.9822, 0.3135, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 30.9822, 0.3135, 0.2904.



This preview shows how white text looks on a background with the Yxy color 30.9822, 0.3135, 0.2904.

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

30.9822, 0.3135, 0.2904

Protanopia

31.1109, 0.2874, 0.2915

Deuteranopia

31.0011, 0.3032, 0.2965



Tritanopia

30.9006, 0.3240, 0.3114

Trichromacy



Original Color

30.9822, 0.3135, 0.2904

Protanomaly

30.8531, 0.2966, 0.2906

Deuteranomaly

31.1037, 0.3072, 0.2954

Tritanomaly

30.8800, 0.3202, 0.3029

Monochromacy



Original Color

30.9822, 0.3135, 0.2904

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.7217, 0.3124, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9822, 0.3135, 0.2904 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(169, 143, 170)` looks like.

```
.text, #text, p{  
    color:rgb(169, 143, 170)  
}
```

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(169, 143, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 143, 170) }
```

Border

The CSS property to change the border of an element to Yxy 30.9822, 0.3135, 0.2904 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(169, 143, 170) }
```

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

```
.border{ border-color:rgb(169, 143, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 143, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 143, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 143, 170);  
box-shadow:4px 4px 4px 4px rgb(169, 143,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9822, 0.3135, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 143, 170) }
```

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

```
.background{ background-color: rgb(169,  
143, 170) }
```

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