

Converting Colors

$Y_{xy}(31.4608, 0.3011, 0.2776)$

Have a look what the booklet for
Yxy(31.4608, 0.3011, 0.2776)
contains.

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Color

Yxy(31.4982, 0.3011, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	A790B5
RGB	167, 144, 181
RGB Percent	65%, 56%, 71%
CMY	0.3451, 0.4353, 0.2901
CMYK	0.08, 0.20, 0.00, 0.29
HSL	277°, 20%, 64%
HSV	277°, 20%, 71%
XYZ	34.2510, 31.4982, 48.0038
YIQ	155.0950, 1.8310, 16.3830

Conversions

Conversions Part 2

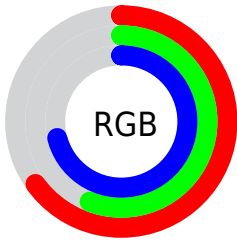
Format	Color
R_{YB}	167, 144, 181
Decimal	10981557
CIE _{Lab}	62.93, 15.61, -16.14
CIE _{LCh}	63, 22.453, 314.043
Yxy	31.4982, 0.3011, 0.2769
Android (android.graphics.Color)	4289171637 (0xFFA790B5)
YUV	155.0950, 12.7712, 10.4407
Hunter-Lab	56.1233, 10.7197, -11.4261

Details

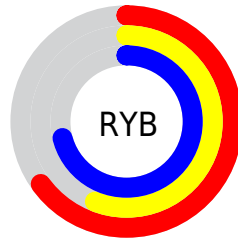
The Yxy color **31.4982, 0.3011, 0.2769** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.3443, 0.3222, 0.3825**, and the grayscale version is **32.7652, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0322, 0.3033, 0.2868**, and **13.2088, 0.2972, 0.2623** is the 20% darker color. If you saturate the color by 10%, you get **25.7209, 0.2939, 0.2494**, and if you desaturate by 10%, it is **38.1971, 0.3073, 0.3032**.

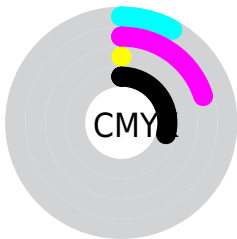
Distribution



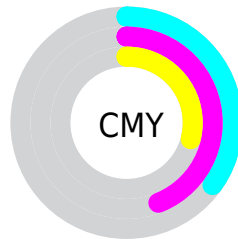
- Red (65%)
- Green (56%)
- Blue (71%)



- Red (65%)
- Yellow (56%)
- Blue (71%)



- Cyan (8%)
- Magenta (20%)
- Yellow (0%)
- Black (29%)





- Cyan (35%)
- Magenta (44%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4982, 0.3011, 0.2769 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 31.4982, 0.3011, 0.2769 by changing the saturation by 10% instead.


 31.4982, 0.3011,
0.2769


 31.4982, 0.3011,
0.2769


308.8270, 0.3076,
0.3037

 20.9785, 0.2992,
0.2700


 62.0236, 0.3036,
0.2868

 13.1083, 0.2967,
0.2610


 82.7981, 0.3045,
0.2905

 7.5032, 0.2930,
0.2488


107.7596, 0.3053,
0.2935

 3.7787, 0.2873,
0.2315

137.2926, 0.3059,
0.2962

 1.5506, 0.2775,
0.2050

171.7815, 0.3064,
0.2984

 0.3239, 0.2658,
0.1250

211.6105, 0.3069,

 0.0000, 0.0000,

0.3004

0.0000

257.1643, 0.3073,
0.3021

■ 31.4982, 0.3011,
0.2769

■ 31.4982, 0.3011,
0.2769

■ 25.7209, 0.2939,
0.2494

■ 38.1971, 0.3073,
0.3032

■ 20.8187, 0.2858,
0.2214

■ 45.8532, 0.3125,
0.3279

■ 16.7472, 0.2768,
0.1939

■ 54.5051, 0.3169,
0.3507

■ 13.4561, 0.2671,
0.1681

■ 64.1881, 0.3205,
0.3716

■ 10.8899, 0.2569,
0.1453

■ 74.9356, 0.3234,
0.3904

8.9851, 0.2468,
0.1264

86.7797, 0.3258,
0.4074

7.6669, 0.2369,
0.1125

89.3071, 0.3300,
0.4085

6.8096, 0.2280,
0.1030

90.3677, 0.3345,
0.4074

91.4724, 0.3390,
0.4062

Harmonies

Analogous

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



31.4982, 0.2697, 0.2705



31.4982, 0.3011, 0.2769



31.4982, 0.3375, 0.2953

Triad

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



31.4982, 0.3011, 0.2769



31.4982, 0.3783, 0.3771



31.4982, 0.2594, 0.3329

Complementary

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



31.4982, 0.3011, 0.2769



42.3443, 0.3222, 0.3825

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.



31.4982, 0.2862, 0.3666



31.4982, 0.3011, 0.2769



31.4982, 0.3550, 0.3920

Square

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



31.4982, 0.3011, 0.2769



31.4982, 0.3836, 0.3512



31.4982, 0.3211, 0.3889



31.4982, 0.2467, 0.3003

Rectangle

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



31.4982, 0.3011, 0.2769



31.4982, 0.3594, 0.3123



31.4982, 0.3211, 0.3889



31.4982, 0.2670, 0.3446

Sweetspot

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



31.4995, 0.3011, 0.2769



74.1387, 0.3097, 0.3142



33.7870, 0.2805, 0.2952



15.8377, 0.3093, 0.3126



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.



31.4995, 0.3011, 0.2769



51.0586, 0.2977, 0.2634



32.9368, 0.3192, 0.2846



8.4827, 0.3079, 0.3061



4.7337, 0.2291, 0.1036



0.1811, 0.2552, 0.1179

Inverse Universe

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



32.2440, 0.3380, 0.3095



52.7106, 0.3458, 0.3045



41.1360, 0.3068, 0.3779



8.5568, 0.3230, 0.3204



7.0776, 0.5427, 0.2763



0.2343, 0.4669, 0.2346

Previews

White Background



This preview shows how the Yxy color 31.4982, 0.3011, 0.2769 looks on a white background.

Color Contrast Check

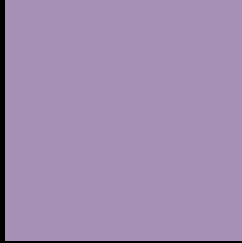
Large Text (above 18pt) WCAG AA × Fail

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 31.4982, 0.3011, 0.2769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

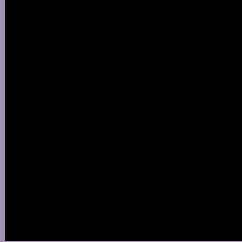
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4982, 0.3011, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 31.4982, 0.3011, 0.2769.



This preview shows how white text looks on a background with the Yxy color 31.4982, 0.3011, 0.2769.

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

31.4982, 0.3011, 0.2769

Protanopia

31.6981, 0.2767, 0.2775

Deuteranopia

31.6602, 0.2896, 0.2838



Tritanopia

31.5755, 0.3186, 0.3128

Trichromacy



Original Color

31.4982, 0.3011, 0.2769

Protanomaly

31.4128, 0.2853, 0.2768

Deuteranomaly

31.5337, 0.2943, 0.2815

Tritanomaly

31.6568, 0.3120, 0.3000

Monochromacy



Original Color

31.4982, 0.3011, 0.2769

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.1845, 0.3086, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4982, 0.3011, 0.2769 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(167, 144, 181)` looks like.

```
.text, #text, p{  
    color:rgb(167, 144, 181)  
}
```

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(167, 144, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 144, 181) }
```

Border

The CSS property to change the border of an element to Yxy 31.4982, 0.3011, 0.2769 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(167, 144, 181) }
```

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

```
.border{ border-color:rgb(167, 144, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 144, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 144, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 144, 181);  
box-shadow:4px 4px 4px 4px rgb(167, 144,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4982, 0.3011, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 144, 181) }
```

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

```
.background{ background-color: rgb(167,  
144, 181) }
```

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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