

Converting Colors

$Yxy(31.8900, 0.3045, 0.2802)$

Have a look what the booklet for
Yxy(31.8900, 0.3045, 0.2802)
contains.

Yxy(31.9811, 0.3040, 0.2800)	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(31.9811, 0.3040, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	A991B4
RGB	169, 145, 180
RGB Percent	66%, 57%, 71%
CMY	0.3373, 0.4313, 0.2942
CMYK	0.06, 0.19, 0.00, 0.29
HSL	281°, 19%, 64%
HSV	281°, 19%, 71%
XYZ	34.7223, 31.9811, 47.5148
YIQ	156.1660, 3.0690, 15.9730

Conversions

Conversions Part 2

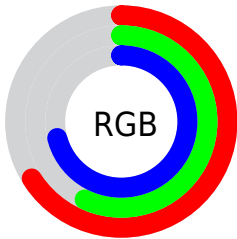
Format	Color
R_{YB}	169, 145, 180
Decimal	11112884
CIE _{Lab}	63.33, 15.50, -14.93
CIE _{LCh}	63, 21.523, 316.083
Yxy	31.9811, 0.3040, 0.2800
Android (android.graphics.Color)	4289302964 (0xFFA991B4)
YUV	156.1660, 11.7502, 11.2554
Hunter-Lab	56.5518, 10.6317, -10.2291

Details

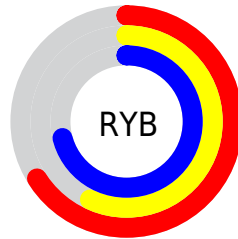
The Yxy color **31.9811, 0.3040, 0.2800** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.7502, 0.3198, 0.3799**, and the grayscale version is **33.2691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7503, 0.3055, 0.2891**, and **13.3196, 0.3013, 0.2646** is the 20% darker color. If you saturate the color by 10%, you get **26.2978, 0.2983, 0.2531**, and if you desaturate by 10%, it is **38.5657, 0.3089, 0.3059**.

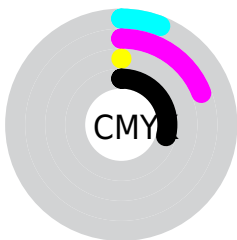
Distribution



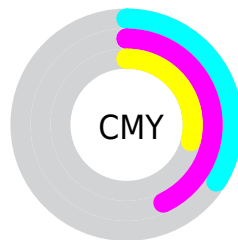
- Red (66%)
- Green (57%)
- Blue (71%)



- Red (66%)
- Yellow (57%)
- Blue (71%)



- Cyan (6%)
- Magenta (19%)
- Yellow (0%)
- Black (29%)





- Cyan (34%)
- Magenta (43%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9811, 0.3040, 0.2800 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 31.9811, 0.3040, 0.2800 by changing the saturation by 10% instead.


 31.9811, 0.3040,
0.2800


 31.9811, 0.3040,
0.2800


311.0331, 0.3089,
0.3052

 21.3471, 0.3026,
0.2735


 62.7815, 0.3059,
0.2893

 13.3779, 0.3006,
0.2651


 83.7166, 0.3066,
0.2927

 7.6893, 0.2977,
0.2536


108.8542, 0.3072,
0.2956

 3.8968, 0.2933,
0.2373

138.5786, 0.3076,
0.2981

 1.6160, 0.2855,
0.2123

173.2744, 0.3080,
0.3002

 0.3683, 0.2775,
0.1403

213.3258, 0.3084,

 0.0000, 0.0000,

0.3021

0.0000

259.1172, 0.3087,
0.3037

■ 31.9811, 0.3040,
0.2800

■ 31.9811, 0.3040,
0.2800

■ 26.2978, 0.2983,
0.2531

■ 38.5657, 0.3089,
0.3059

■ 21.4704, 0.2918,
0.2258

■ 46.0859, 0.3129,
0.3303

■ 17.4556, 0.2845,
0.1992

■ 54.5796, 0.3163,
0.3530

■ 14.2049, 0.2766,
0.1744

■ 64.0809, 0.3190,
0.3738

■ 11.6642, 0.2683,
0.1524

■ 74.6226, 0.3213,
0.3927

■ 9.7723, 0.2598,
0.1344

■ 86.2357, 0.3230,
0.4098

■ 8.4572, 0.2514,
0.1210

■ 88.3127, 0.3264,
0.4107

■ 7.5803, 0.2434,
0.1117

■ 89.1510, 0.3301,
0.4098

■ 7.5343, 0.2429,
0.1112

■ 90.0188, 0.3338,
0.4088

Harmonies

Analogous

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



31.9811, 0.2733, 0.2731



31.9811, 0.3040, 0.2800



31.9811, 0.3387, 0.2983

Triad

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



31.9811, 0.3040, 0.2800



31.9811, 0.3743, 0.3764



31.9811, 0.2605, 0.3305

Complementary

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



31.9811, 0.3040, 0.2800



41.7502, 0.3198, 0.3799

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.



31.9811, 0.2854, 0.3628



31.9811, 0.3040, 0.2800



31.9811, 0.3512, 0.3895

Square

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



31.9811, 0.3040, 0.2800



31.9811, 0.3805, 0.3522



31.9811, 0.3185, 0.3851



31.9811, 0.2493, 0.2999

Rectangle

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



31.9811, 0.3040, 0.2800



31.9811, 0.3591, 0.3149



31.9811, 0.3185, 0.3851



31.9811, 0.2675, 0.3416

Sweetspot

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



31.9825, 0.3040, 0.2800



74.2887, 0.3103, 0.3142



33.1213, 0.2820, 0.2936



15.8734, 0.3100, 0.3127



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.



31.9825, 0.3040, 0.2800



53.7262, 0.3019, 0.2694



32.9951, 0.3211, 0.2899



8.5101, 0.3089, 0.3062



5.2963, 0.2439, 0.1117



0.1960, 0.2662, 0.1240

Inverse Universe

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



32.3563, 0.3388, 0.3136



54.5557, 0.3454, 0.3103



40.9056, 0.3053, 0.3715



8.5478, 0.3239, 0.3219



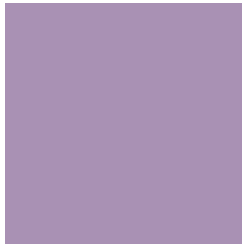
6.9866, 0.5674, 0.2900



0.2307, 0.4872, 0.2457

Previews

White Background



This preview shows how the Yxy color 31.9811, 0.3040, 0.2800 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 31.9811, 0.3040, 0.2800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

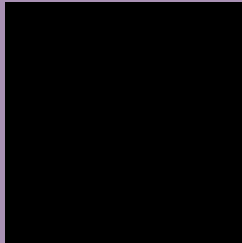
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9811, 0.3040, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 31.9811, 0.3040, 0.2800.



This preview shows how white text looks on a background with the Yxy color 31.9811, 0.3040, 0.2800.

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

31.9811, 0.3040, 0.2800

Protanopia

32.0702, 0.2785, 0.2805

Deuteranopia

32.1353, 0.2924, 0.2869



Tritanopia

32.1399, 0.3196, 0.3130

Trichromacy



Original Color

31.9811, 0.3040, 0.2800

Protanomaly

31.7838, 0.2871, 0.2797

Deuteranomaly

32.0115, 0.2971, 0.2845

Tritanomaly

32.1853, 0.3140, 0.3017

Monochromacy



Original Color

31.9811, 0.3040, 0.2800

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

32.7502, 0.3096, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9811, 0.3040, 0.2800 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, 145, 180)` looks like.

```
.text, #text, p{  
    color:rgb(169, 145, 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(169, 145, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 145, 180) }
```

Border

The CSS property to change the border of an element to Yxy 31.9811, 0.3040, 0.2800 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, 145, 180) }
```

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

```
.border{ border-color:rgb(169, 145, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 145, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 145, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 145, 180);  
box-shadow:4px 4px 4px 4px rgb(169, 145,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9811, 0.3040, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 145, 180) }
```

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

```
.background{ background-color: rgb(169,  
145, 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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