

Converting Colors

$Y_{xy}(31.9394, 0.2912, 0.2565)$

Have a look what the booklet for
Yxy(31.9394, 0.2912, 0.2565)
contains.

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Color

Yxy(31.8776, 0.2907, 0.2559)

Conversions

Conversions Part 1

Format	Color
Hex	AA8EC4
RGB	170, 142, 196
RGB Percent	67%, 56%, 77%
CMY	0.3334, 0.4431, 0.2313
CMYK	0.13, 0.28, 0.00, 0.23
HSL	271°, 31%, 66%
HSV	271°, 28%, 77%
XYZ	36.2127, 31.8776, 56.4803
YIQ	156.5280, -0.6460, 22.7300

Conversions

Conversions Part 2

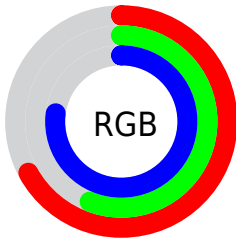
Format	Color
RYB	170, 142, 196
Decimal	11177668
CIELab	63.24, 20.92, -24.07
CIELCh	63, 31.891, 310.985
Yxy	31.8776, 0.2907, 0.2559
Android (android.graphics.Color)	4289367748 (0xFFAA8EC4)
YUV	156.5280, 19.4597, 11.8149
Hunter-Lab	56.4603, 15.6815, -19.7889

Details

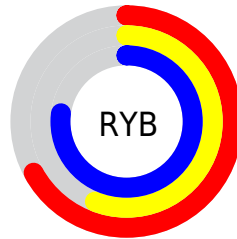
The Yxy color $31.8776, 0.2907, 0.2559$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $49.7722, 0.3300, 0.4027$, and the grayscale version is $33.4056, 0.3127, 0.3290$.

A 20% lighter version of the original color is $62.7405, 0.2954, 0.2693$, and $13.3892, 0.2827, 0.2359$ is the 20% darker color. If you saturate the color by 10%, you get $25.5339, 0.2804, 0.2267$, and if you desaturate by 10%, it is $39.3253, 0.2998, 0.2840$.

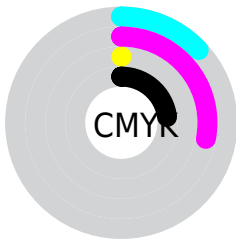
Distribution



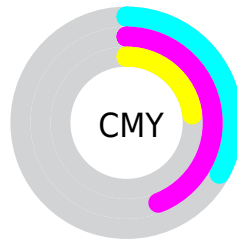
- Red (67%)
- Green (56%)
- Blue (77%)



- Red (67%)
- Yellow (56%)
- Blue (77%)



- Cyan (13%)
- Magenta (28%)
- Yellow (0%)
- Black (23%)




- Cyan (33%)
- Magenta (44%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8776, 0.2907, 0.2559 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 31.8776, 0.2907, 0.2559 by changing the saturation by 10% instead.


 31.8776, 0.2907,
0.2559


 31.8776, 0.2907,
0.2559


310.5613, 0.3029,
0.2928


 21.2680, 0.2873,
0.2467


 62.6192, 0.2954,
0.2693

 13.3201, 0.2827,
0.2348


 83.5199, 0.2971,
0.2744

 7.6493, 0.2762,
0.2192


 108.6199, 0.2985,
0.2786

 3.8714, 0.2664,
0.1975

138.3034, 0.2996,
0.2823

 1.6019, 0.2503,
0.1662

172.9549, 0.3006,
0.2854

 0.3589, 0.2263,
0.0953

212.9588, 0.3015,

 0.0000, 0.0000,

0.2882

0.0000

258.6995, 0.3022,
0.2906

■ 31.8776, 0.2907,
0.2559

■ 31.8776, 0.2907,
0.2559

■ 25.5339, 0.2804,
0.2267

■ 39.3253, 0.2998,
0.2840

■ 20.2351, 0.2690,
0.1974

■ 47.9244, 0.3076,
0.3104

■ 15.9220, 0.2568,
0.1692

■ 57.7243, 0.3142,
0.3348

■ 12.5283, 0.2440,
0.1434

■ 68.7703, 0.3198,
0.3570

■ 9.9786, 0.2313,
0.1215

■ 81.1051, 0.3245,
0.3770

8.1853, 0.2191,
0.1046

91.7858, 0.3290,
0.3906

7.0232, 0.2081,
0.0930

93.3622, 0.3352,
0.3894

6.7830, 0.2055,
0.0906

95.0241, 0.3415,
0.3882

96.7664, 0.3478,
0.3870

Harmonies

Analogous

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



31.8776, 0.2490, 0.2485



31.8776, 0.2907, 0.2559



31.8776, 0.3420, 0.2792

Triad

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



31.8776, 0.2907, 0.2559



31.8776, 0.4070, 0.3914



31.8776, 0.2412, 0.3386

Complementary

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



31.8776, 0.2907, 0.2559



49.7722, 0.3300, 0.4027

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.



31.8776, 0.2793, 0.3877



31.8776, 0.2907, 0.2559



31.8776, 0.3754, 0.4168

Square

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



31.8776, 0.2907, 0.2559



31.8776, 0.4124, 0.3537



31.8776, 0.3283, 0.4175



31.8776, 0.2224, 0.2913

Rectangle

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



31.8776, 0.2907, 0.2559



31.8776, 0.3744, 0.3014



31.8776, 0.3283, 0.4175



31.8776, 0.2521, 0.3558

Sweetspot

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



31.8789, 0.2907, 0.2559



85.8500, 0.3072, 0.3089



37.7855, 0.2691, 0.2893



17.8404, 0.3060, 0.3050



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.



31.8789, 0.2907, 0.2559



50.6501, 0.2847, 0.2386



35.0326, 0.3167, 0.2623



9.9987, 0.3063, 0.3058



4.4089, 0.2069, 0.0913



0.2314, 0.2312, 0.1047

Inverse Universe

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



33.9160, 0.3437, 0.2950



55.0534, 0.3527, 0.2873



47.2208, 0.3084, 0.4062



10.1570, 0.3215, 0.3180



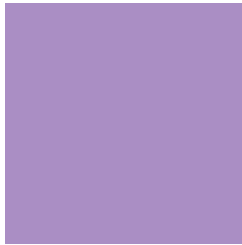
8.0830, 0.5012, 0.2535



0.3632, 0.4506, 0.2256

Previews

White Background



This preview shows how the Yxy color 31.8776, 0.2907, 0.2559 looks on a white background.

Color Contrast Check

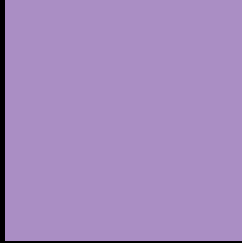
Large Text (above 18pt) WCAG AA × Fail

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 31.8776, 0.2907, 0.2559 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 31.8776, 0.2907, 0.2559

Background



This preview shows how black text looks on a background with the Yxy color 31.8776, 0.2907, 0.2559.



This preview shows how white text looks on a background with the Yxy color 31.8776, 0.2907, 0.2559.

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

31.8776, 0.2907, 0.2559

Protanopia

31.9340, 0.2592, 0.2547

Deuteranopia

31.9108, 0.2722, 0.2658



Tritanopia

31.9255, 0.3175, 0.3129

Trichromacy



Original Color

31.8776, 0.2907, 0.2559

Protanomaly

31.8340, 0.2699, 0.2558

Deuteranomaly

31.7761, 0.2781, 0.2614

Tritanomaly

31.6819, 0.3075, 0.2904

Monochromacy



Original Color

31.8776, 0.2907, 0.2559

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.0781, 0.3052, 0.3015

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8776, 0.2907, 0.2559 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(170, 142, 196)` looks like.

```
.text, #text, p{  
    color:rgb(170, 142, 196)  
}
```

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(170, 142, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 142, 196) }
```

Border

The CSS property to change the border of an element to Yxy 31.8776, 0.2907, 0.2559 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(170, 142, 196) }
```

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

```
.border{ border-color:rgb(170, 142, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 142, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 142, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 142, 196);  
box-shadow:4px 4px 4px 4px rgb(170, 142,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8776, 0.2907, 0.2559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 142, 196) }
```

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

```
.background{ background-color: rgb(170,  
142, 196) }
```

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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