

Converting Colors

$Y_{xy}(31.3718, 0.2873, 0.2560)$

Have a look what the booklet for
Yxy(31.3718, 0.2873, 0.2560)
contains.

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Color

Yxy(31.3931, 0.2878, 0.2563)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | A68EC3 |
| RGB | 166, 142, 195 |
| RGB Percent | 65%, 56%, 76% |
| CMY | 0.3490, 0.4431, 0.2352 |
| CMYK | 0.15, 0.27, 0.00, 0.24 |
| HSL | 267°, 31%, 66% |
| HSV | 267°, 27%, 76% |
| XYZ | 35.2514, 31.3931, 55.8413 |
| YIQ | 155.2180, -2.7090, 21.5710 |

Conversions

Conversions Part 2

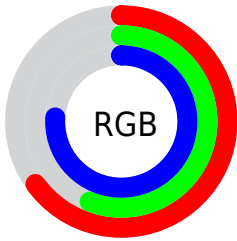
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 166, 142, 195 |
| Decimal | 10915523 |
| CIE _{Lab} | 62.84, 19.42, -24.16 |
| CIE _{LCh} | 63, 30.998, 308.790 |
| Yxy | 31.3931, 0.2878, 0.2563 |
| Android (android.graphics.Color) | 4289105603 (0xFFA68EC3) |
| YUV | 155.2180, 19.6125, 9.4558 |
| Hunter-Lab | 56.0295, 14.2529, -19.8701 |

Details

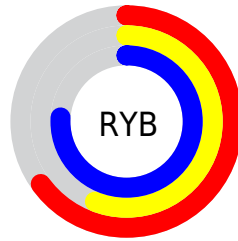
The Yxy color **31.3931, 0.2878, 0.2563** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.6502, 0.3326, 0.4009**, and the grayscale version is **32.7934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.0377, 0.2932, 0.2697**, and **13.0881, 0.2786, 0.2361** is the 20% darker color. If you saturate the color by 10%, you get **24.9843, 0.2761, 0.2265**, and if you desaturate by 10%, it is **38.9155, 0.2981, 0.2848**.

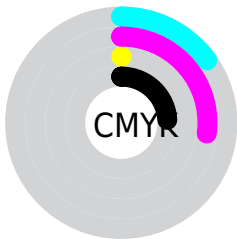
Distribution



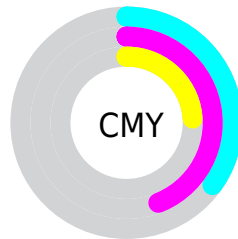
- Red (65%)
- Green (56%)
- Blue (76%)



- Red (65%)
- Yellow (56%)
- Blue (76%)



- Cyan (15%)
- Magenta (27%)
- Yellow (0%)
- Black (24%)





- Cyan (35%)
- Magenta (44%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3931, 0.2878, 0.2563 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 31.3931, 0.2878, 0.2563 by changing the saturation by 10% instead.

 31.3931, 0.2878,
0.2563


 31.3931, 0.2878,
0.2563

308.3453, 0.3015,
0.2931

 20.8984, 0.2840,
0.2470


 61.8584, 0.2931,
0.2697

 13.0497, 0.2789,
0.2351


 82.5978, 0.2950,
0.2748

 7.4628, 0.2716,
0.2193


 107.5209, 0.2965,
0.2790

 3.7532, 0.2608,
0.1974

137.0121, 0.2978,
0.2827

 1.5365, 0.2432,
0.1655

171.4557, 0.2990,
0.2858

 0.3142, 0.2170,
0.0883

211.2361, 0.2999,

 0.0000, 0.0000,

0.2885

0.0000

256.7379, 0.3008,
0.2910

■ 31.3931, 0.2878,
0.2563

■ 31.3931, 0.2878,
0.2563

■ 24.9843, 0.2761,
0.2265

■ 38.9155, 0.2981,
0.2848

■ 19.6298, 0.2632,
0.1963

■ 47.5987, 0.3071,
0.3113

■ 15.2710, 0.2494,
0.1670

■ 57.4921, 0.3147,
0.3356

■ 11.8415, 0.2352,
0.1399

■ 68.6410, 0.3212,
0.3576

■ 9.2666, 0.2211,
0.1168

■ 81.0883, 0.3267,
0.3774

7.4592, 0.2079,
0.0989

92.2896, 0.3318,
0.3913

6.2998, 0.1962,
0.0867

94.1099, 0.3388,
0.3899

6.0305, 0.1931,
0.0837

96.0402, 0.3459,
0.3884

96.7209, 0.3484,
0.3880

Harmonies

Analogous

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



31.3931, 0.2481, 0.2504



31.3931, 0.2878, 0.2563



31.3931, 0.3377, 0.2781

Triad

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



31.3931, 0.2878, 0.2563



31.3931, 0.4062, 0.3877



31.3931, 0.2450, 0.3422

Complementary

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



31.3931, 0.2878, 0.2563



49.6502, 0.3326, 0.4009

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.



31.3931, 0.2834, 0.3893



31.3931, 0.2878, 0.2563



31.3931, 0.3770, 0.4137

Square

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



31.3931, 0.2878, 0.2563



31.3931, 0.4093, 0.3504



31.3931, 0.3317, 0.4163



31.3931, 0.2249, 0.2952

Rectangle

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



31.3931, 0.2878, 0.2563



31.3931, 0.3698, 0.2994



31.3931, 0.3317, 0.4163



31.3931, 0.2560, 0.3589

Sweetspot

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



31.3944, 0.2878, 0.2563



83.6842, 0.3063, 0.3089



38.8777, 0.2702, 0.2951



17.7805, 0.3050, 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.



31.3944, 0.2878, 0.2563



48.7313, 0.2806, 0.2376



34.5411, 0.3132, 0.2616



9.9663, 0.3052, 0.3057



3.9673, 0.1945, 0.0845



0.2123, 0.2202, 0.0987

Inverse Universe

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



33.8909, 0.3396, 0.2911



54.1005, 0.3479, 0.2819



46.9791, 0.3111, 0.4058



10.1680, 0.3205, 0.3165



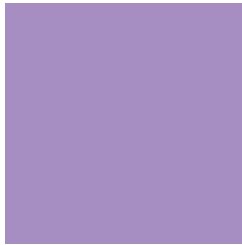
8.2438, 0.4740, 0.2385



0.3699, 0.4309, 0.2147

Previews

White Background



This preview shows how the Yxy color 31.3931, 0.2878, 0.2563 looks on a white background.

Color Contrast Check

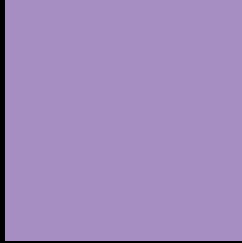
Large Text (above 18pt) WCAG AA × Fail

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 31.3931, 0.2878, 0.2563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

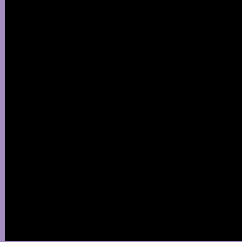
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.3931, 0.2878, 0.2563

Background



This preview shows how black text looks on a background with the Yxy color 31.3931, 0.2878, 0.2563.



This preview shows how white text looks on a background with the Yxy color 31.3931, 0.2878, 0.2563.

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

31.3931, 0.2878, 0.2563

Protanopia

31.4330, 0.2596, 0.2555

Deuteranopia

31.4097, 0.2703, 0.2640



Tritanopia

31.5065, 0.3135, 0.3127

Trichromacy



Original Color

31.3931, 0.2878, 0.2563

Protanomaly

31.2869, 0.2689, 0.2552

Deuteranomaly

31.2251, 0.2770, 0.2609

Tritanomaly

31.2563, 0.3035, 0.2899

Monochromacy



Original Color

31.3931, 0.2878, 0.2563

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.0859, 0.3032, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3931, 0.2878, 0.2563 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(166, 142, 195)` looks like.

```
.text, #text, p{  
    color:rgb(166, 142, 195)  
}
```

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(166, 142, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 142, 195) }
```

Border

The CSS property to change the border of an element to Yxy 31.3931, 0.2878, 0.2563 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(166, 142, 195) }
```

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

```
.border{ border-color:rgb(166, 142, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 142, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 142, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 142, 195);  
box-shadow:4px 4px 4px 4px rgb(166, 142,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3931, 0.2878, 0.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 142, 195) }
```

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

```
.background{ background-color: rgb(166,  
142, 195) }
```

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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