

Converting Colors

$Y_{xy}(32.0939, 0.3176, 0.2242)$

Have a look what the booklet for
Yxy(32.0939, 0.3176, 0.2242)
contains.

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Color

Yxy(31.9850, 0.3176, 0.2241)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D378D3 |
| RGB | 211, 120, 211 |
| RGB Percent | 83%, 47%, 83% |
| CMY | 0.1727, 0.5293, 0.1726 |
| CMYK | 0.00, 0.43, 0.00, 0.17 |
| HSL | 300°, 51%, 65% |
| HSV | 300°, 43%, 83% |
| XYZ | 45.3299, 31.9850, 65.4115 |
| YIQ | 157.5830, 25.0250, 47.5930 |

Conversions

Conversions Part 2

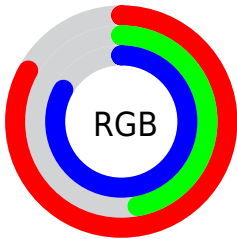
| Format | Color |
|-------------------------------------|--|
| RYB | 211, 120, 211 |
| Decimal | 13859027 |
| CIELab | 63.33, 48.71, -31.98 |
| CIELCh | 63, 58.267, 326.711 |
| Yxy | 31.9850, 0.3176, 0.2241 |
| Android (android.graphics.Color) | 4292049107 (0xFFD378D3) |
| YUV | 157.5830, 26.3346, 46.8467 |
| Hunter-Lab | 56.5553, 44.0987, -28.9858 |

Details

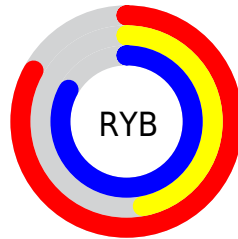
The Yxy color **31.9850, 0.3176, 0.2241** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.9426, 0.3065, 0.4622**, and the grayscale version is **33.8660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1399, 0.3164, 0.2508**, and **13.3832, 0.3174, 0.1974** is the 20% darker color. If you saturate the color by 10%, you get **27.4555, 0.3186, 0.2031**, and if you desaturate by 10%, it is **37.6356, 0.3165, 0.2474**.

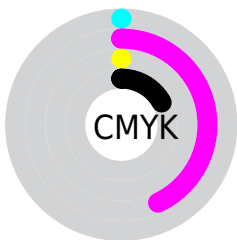
Distribution



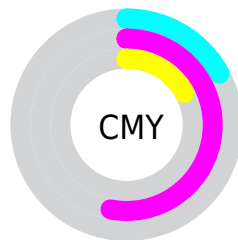
- Red (83%)
- Green (47%)
- Blue (83%)



- Red (83%)
- Yellow (47%)
- Blue (83%)



- Cyan (0%)
- Magenta (43%)
- Yellow (0%)
- Black (17%)




- Cyan (17%)
- Magenta (53%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9850, 0.3176, 0.2241 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 31.9850, 0.3176, 0.2241 by changing the saturation by 10% instead.


 31.9850, 0.3176,
0.2241


 31.9850, 0.3176,
0.2241


311.0509, 0.3169,
0.2746

 21.3500, 0.3173,
0.2122

 62.7876, 0.3177,
0.2420

 13.3801, 0.3165,
0.1974


 83.7240, 0.3177,
0.2488

 7.6908, 0.3150,
0.1785


 108.8630, 0.3176,
0.2547

 3.8977, 0.3121,
0.1539

138.5890, 0.3174,
0.2598

 1.6165, 0.3058,
0.1210

173.2864, 0.3173,
0.2642

 0.3687, 0.2961,
0.0624

213.3396, 0.3171,


 0.0000, 0.2438,


0.2681


0.0000


259.1330, 0.3170,
0.2716


 0.0000, 0.0000,
0.0000


 31.9850, 0.3176,
0.2241


 31.9850, 0.3176,
0.2241


 27.4555, 0.3186,
0.2031


 37.6356, 0.3165,
0.2474


 23.9685, 0.3194,
0.1853

 44.4704, 0.3154,
0.2719


 21.4423, 0.3200,
0.1713


 52.5530, 0.3142,
0.2969


 19.7809, 0.3205,
0.1616

 61.9413, 0.3131,
0.3215

 18.8687, 0.3207,
0.1561

 72.6894, 0.3120,
0.3452

 18.5394, 0.3208,
0.1541

 84.8485, 0.3109,
0.3676

 90.0752, 0.3105,
0.3760

 90.0765, 0.3105,
0.3760

 90.0777, 0.3105,
0.3760

Harmonies

Analogous

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



31.9850, 0.2348, 0.1980



31.9850, 0.3176, 0.2241



31.9850, 0.4123, 0.2708

Triad

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



31.9850, 0.3176, 0.2241



31.9850, 0.4478, 0.4576



31.9850, 0.1693, 0.2923

Complementary

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



31.9850, 0.3176, 0.2241



51.9426, 0.3065, 0.4622

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.



31.9850, 0.2127, 0.3915



31.9850, 0.3176, 0.2241



31.9850, 0.3728, 0.4982

Square

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



31.9850, 0.3176, 0.2241



31.9850, 0.4906, 0.3947



31.9850, 0.2869, 0.4787



31.9850, 0.1600, 0.2261

Rectangle

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



31.9850, 0.3176, 0.2241



31.9850, 0.4629, 0.3094



31.9850, 0.2869, 0.4787



31.9850, 0.1798, 0.3229

Sweetspot

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



31.9864, 0.3176, 0.2241



80.6404, 0.3142, 0.2968



22.5059, 0.2327, 0.1983



16.6315, 0.3145, 0.2913



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.



31.9864, 0.3176, 0.2241



42.4874, 0.3185, 0.2042



30.0798, 0.3658, 0.2713



12.0088, 0.3138, 0.3061



11.1887, 0.3208, 0.1541



0.6257, 0.3208, 0.1541

Inverse Universe

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



28.6464, 0.4251, 0.3293



36.6939, 0.4649, 0.3294



53.2635, 0.2808, 0.3962



11.8083, 0.3291, 0.3290



8.3579, 0.6400, 0.3299



0.4674, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 31.9850, 0.3176, 0.2241 looks on a white background.

Color Contrast Check

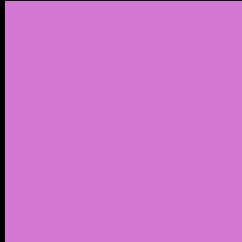
Large Text (above 18pt) WCAG AA × Fail

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 31.9850, 0.3176, 0.2241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

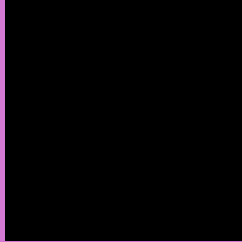
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9850, 0.3176, 0.2241

Background



This preview shows how black text looks on a background with the Yxy color 31.9850, 0.3176, 0.2241.



This preview shows how white text looks on a background with the Yxy color 31.9850, 0.3176, 0.2241.

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

31.9850, 0.3176, 0.2241

Protanopia

32.4003, 0.2283, 0.2152

Deuteranopia

32.1164, 0.2586, 0.2524



Tritanopia

32.0688, 0.3786, 0.3162

Trichromacy



Original Color

31.9850, 0.3176, 0.2241



Protanomaly

31.2708, 0.2539, 0.2160



Deuteranomaly

31.3682, 0.2778, 0.2396



Tritanomaly

31.9516, 0.3558, 0.2800

Monochromacy



Original Color

31.9850, 0.3176, 0.2241



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.4680, 0.3148, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9850, 0.3176, 0.2241 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(211, 120, 211)` looks like.

```
.text, #text, p{  
    color:rgb(211, 120, 211)  
}
```

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(211, 120, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 120, 211) }
```

Border

The CSS property to change the border of an element to Yxy 31.9850, 0.3176, 0.2241 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(211, 120, 211) }
```

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

```
.border{ border-color:rgb(211, 120, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 120, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 120, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 120, 211);  
box-shadow:4px 4px 4px 4px rgb(211, 120,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9850, 0.3176, 0.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 120, 211) }
```

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

```
.background{ background-color: rgb(211,  
120, 211) }
```

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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