

Converting Colors

$Y_{xy}(32.0856, 0.2952, 0.1952)$

Have a look what the booklet for
Yxy(32.0856, 0.2952, 0.1952)
contains.

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Color

Yxy(31.9217, 0.2948, 0.1946)

Conversions

Conversions Part 1

Format	Color
Hex	D471ED
RGB	212, 113, 237
RGB Percent	83%, 44%, 93%
CMY	0.1684, 0.5570, 0.0705
CMYK	0.11, 0.52, 0.00, 0.07
HSL	288°, 78%, 69%
HSV	288°, 52%, 93%
XYZ	48.3583, 31.9217, 83.7576
YIQ	156.7370, 19.2000, 59.5520

Conversions

Conversions Part 2

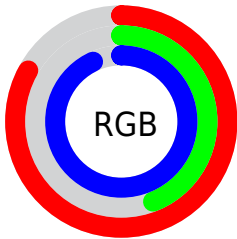
Format	Color
R _Y B	212, 113, 237
Decimal	13922797
CIE Lab	63.28, 57.44, -46.57
CIE LCh	63, 73.948, 320.970
Yxy	31.9217, 0.2948, 0.1946
Android (android.graphics.Color)	4292112877 (0xFFD471ED)
YUV	156.7370, 39.5697, 48.4657
Hunter-Lab	56.4993, 53.9060, -48.3451

Details

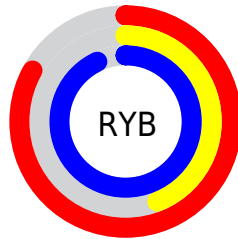
The Yxy color **31.9217, 0.2948, 0.1946** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **67.1758, 0.3188, 0.4897**, and the grayscale version is **33.4034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4853, 0.3167, 0.2441**, and **13.4327, 0.2859, 0.1640** is the 20% darker color. If you saturate the color by 10%, you get **26.6105, 0.2898, 0.1725**, and if you desaturate by 10%, it is **38.6372, 0.2994, 0.2193**.

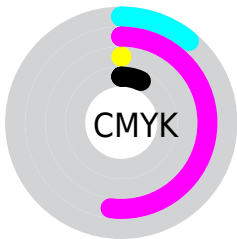
Distribution



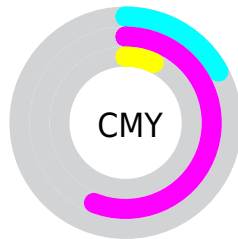
- Red (83%)
- Green (44%)
- Blue (93%)



- Red (83%)
- Yellow (44%)
- Blue (93%)



- Cyan (11%)
- Magenta (52%)
- Yellow (0%)
- Black (7%)





- Cyan (17%)
- Magenta (56%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9217, 0.2948, 0.1946 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 31.9217, 0.2948, 0.1946 by changing the saturation by 10% instead.


 31.9217, 0.2948,
0.1946


 31.9217, 0.2948,
0.1946


310.7624, 0.3067,
0.2570

 21.3017, 0.2911,
0.1807


 62.6883, 0.2997,
0.2161

 13.3447, 0.2861,
0.1638


 83.6037, 0.3013,
0.2245

 7.6663, 0.2789,
0.1431


 108.7197, 0.3027,
0.2318

 3.8822, 0.2681,
0.1174

138.4207, 0.3038,
0.2381

 1.6079, 0.2511,
0.0857

173.0911, 0.3047,
0.2437

 0.3629, 0.2248,
0.0386

213.1152, 0.3055,

 0.0000, 0.1725,

0.2487

0.0000

258.8775, 0.3061,
0.2531

0.0000, 0.0000,
0.0000

31.9217, 0.2948,
0.1946

31.9217, 0.2948,
0.1946

26.6105, 0.2898,
0.1725

38.6372, 0.2994,
0.2193

22.5893, 0.2845,
0.1541

46.8513, 0.3034,
0.2454

19.7327, 0.2791,
0.1400

56.6545, 0.3069,
0.2720

17.8877, 0.2737,
0.1306

68.1294, 0.3098,
0.2982

16.9763, 0.2696,
0.1259

81.3523, 0.3122,
0.3233

96.2816, 0.3142,
0.3468

97.1308, 0.3171,
0.3466

98.0022, 0.3202,
0.3465

98.8958, 0.3232,
0.3463

Harmonies

Analogous

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



31.9217, 0.2014, 0.1694



31.9217, 0.2948, 0.1946



31.9217, 0.4155, 0.2445

Triad

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



31.9217, 0.2948, 0.1946



31.9217, 0.4863, 0.4628



31.9217, 0.1448, 0.2999

Complementary

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



31.9217, 0.2948, 0.1946



67.1758, 0.3188, 0.4897

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.



31.9217, 0.2012, 0.4355



31.9217, 0.2948, 0.1946



31.9217, 0.3973, 0.5324

Square

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



31.9217, 0.2948, 0.1946



31.9217, 0.5350, 0.3836



31.9217, 0.2943, 0.5378



31.9217, 0.1294, 0.2113

Rectangle

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



31.9217, 0.2948, 0.1946



31.9217, 0.4868, 0.2874



31.9217, 0.2943, 0.5378



31.9217, 0.1587, 0.3419

Sweetspot

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



31.9231, 0.2948, 0.1946



75.1500, 0.3088, 0.2885



28.3341, 0.2188, 0.1971



15.4839, 0.3082, 0.2831



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.



31.9231, 0.2948, 0.1946



30.9225, 0.2893, 0.1707



34.0696, 0.3545, 0.2346



15.1518, 0.3106, 0.3056



9.3224, 0.2705, 0.1264



0.7708, 0.2778, 0.1304

Inverse Universe

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



31.6441, 0.4334, 0.3020



30.8519, 0.4753, 0.2987



66.2366, 0.2882, 0.4497



15.1036, 0.3261, 0.3243



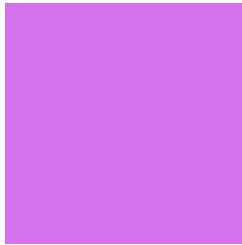
9.9599, 0.6068, 0.3117



0.7955, 0.5694, 0.2910

Previews

White Background



This preview shows how the Yxy color 31.9217, 0.2948, 0.1946 looks on a white background.

Color Contrast Check

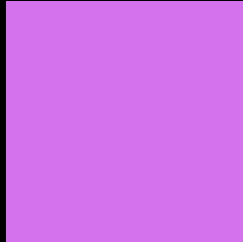
Large Text (above 18pt) WCAG AA × Fail

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 31.9217, 0.2948, 0.1946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

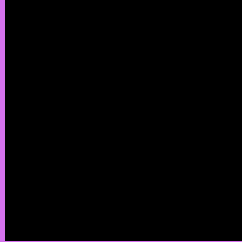
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9217, 0.2948, 0.1946

Background



This preview shows how black text looks on a background with the Yxy color 31.9217, 0.2948, 0.1946.

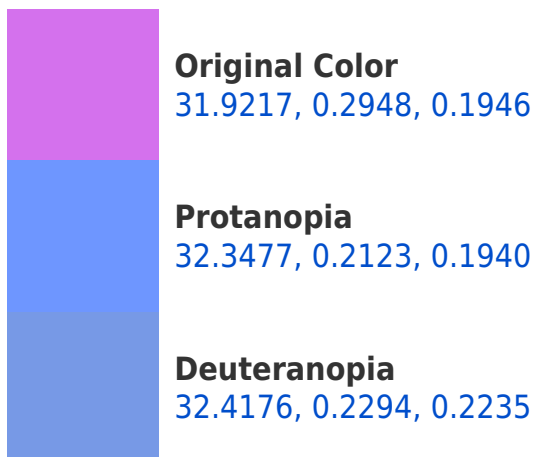


This preview shows how white text looks on a background with the Yxy color 31.9217, 0.2948, 0.1946.

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





Tritanopia

31.8258, 0.3727, 0.3160

Trichromacy



Original Color

31.9217, 0.2948, 0.1946



Protanomaly

30.8717, 0.2347, 0.1911



Deuteranomaly

30.8325, 0.2481, 0.2071



Tritanomaly

31.5304, 0.3429, 0.2652

Monochromacy



Original Color

31.9217, 0.2948, 0.1946



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

31.9420, 0.3065, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9217, 0.2948, 0.1946 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(212, 113, 237)` looks like.

```
.text, #text, p{  
    color:rgb(212, 113, 237)  
}
```

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(212, 113, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 113, 237) }
```

Border

The CSS property to change the border of an element to Yxy 31.9217, 0.2948, 0.1946 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(212, 113, 237) }
```

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

```
.border{ border-color:rgb(212, 113, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 113, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 113, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 113, 237);  
box-shadow:4px 4px 4px 4px rgb(212, 113,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9217, 0.2948, 0.1946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 113, 237) }
```

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

```
.background{ background-color: rgb(212,  
113, 237) }
```

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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