

Converting Colors

$Y_{xy}(32.0344, 0.2972, 0.2219)$

Have a look what the booklet for
Yxy(32.0344, 0.2972, 0.2219)
contains.

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Color

Yxy(31.9243, 0.2970, 0.2212)

Conversions

Conversions Part 1

Format	Color
Hex	C47FD9
RGB	196, 127, 217
RGB Percent	77%, 50%, 85%
CMY	0.2316, 0.5018, 0.1491
CMYK	0.10, 0.41, 0.00, 0.15
HSL	286°, 54%, 67%
HSV	286°, 41%, 85%
XYZ	42.8640, 31.9243, 69.5349
YIQ	157.8910, 12.2340, 42.6180

Conversions

Conversions Part 2

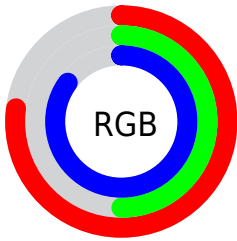
Format	Color
R _Y B	196, 127, 217
Decimal	12877785
CIE Lab	63.28, 41.71, -35.54
CIE LCh	63, 54.796, 319.564
Yxy	31.9243, 0.2970, 0.2212
Android (android.graphics.Color)	4291067865 (0xFFC47FD9)
YUV	157.8910, 29.1407, 33.4216
Hunter-Lab	56.5016, 36.5383, -33.4154

Details

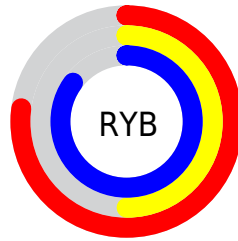
The Yxy color **31.9243, 0.2970, 0.2212** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **57.4533, 0.3209, 0.4511**, and the grayscale version is **34.0027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3386, 0.3153, 0.2564**, and **13.4402, 0.2901, 0.1941** is the 20% darker color. If you saturate the color by 10%, you get **26.2403, 0.2916, 0.1959**, and if you desaturate by 10%, it is **38.8410, 0.3018, 0.2477**.

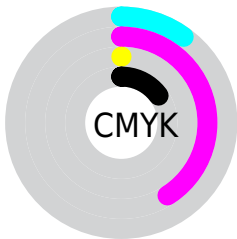
Distribution



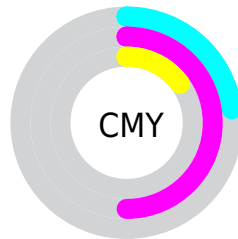
- Red (77%)
- Green (50%)
- Blue (85%)



- Red (77%)
- Yellow (50%)
- Blue (85%)



- Cyan (10%)
- Magenta (41%)
- Yellow (0%)
- Black (15%)




- Cyan (23%)
- Magenta (50%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9243, 0.2970, 0.2212 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 31.9243, 0.2970, 0.2212 by changing the saturation by 10% instead.

 31.9243, 0.2970,
0.2212


 31.9243, 0.2970,
0.2212


310.7743, 0.3068,
0.2732

 21.3037, 0.2940,
0.2090


 62.6924, 0.3010,
0.2396

 13.3462, 0.2898,
0.1937


 83.6087, 0.3024,
0.2466

 7.6673, 0.2838,
0.1744


 108.7256, 0.3035,
0.2527

 3.8828, 0.2746,
0.1493

138.4276, 0.3044,
0.2579

 1.6082, 0.2595,
0.1159

173.0991, 0.3052,
0.2625

 0.3631, 0.2358,
0.0579

213.1244, 0.3058,

 0.0000, 0.1430,

0.2665

0.0000

258.8880, 0.3063,
0.2700

0.0000, 0.0000,
0.0000

31.9243, 0.2970,
0.2212

31.9243, 0.2970,
0.2212

26.2403, 0.2916,
0.1959

38.8410, 0.3018,
0.2477

21.7064, 0.2857,
0.1730

47.0577, 0.3059,
0.2744

18.2365, 0.2795,
0.1534

56.6417, 0.3094,
0.3006

15.7300, 0.2732,
0.1381

67.6545, 0.3123,
0.3255

14.0670, 0.2669,
0.1275

80.1537, 0.3147,
0.3489

■ 13.1384, 0.2617,
0.1215

■ 92.7621, 0.3167,
0.3683

■ 93.5970, 0.3199,
0.3679

■ 94.4565, 0.3232,
0.3675

■ 95.3406, 0.3265,
0.3671

Harmonies

Analogous

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



31.9243, 0.2242, 0.2016



31.9243, 0.2970, 0.2212



31.9243, 0.3862, 0.2619

Triad

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



31.9243, 0.2970, 0.2212



31.9243, 0.4547, 0.4390



31.9243, 0.1834, 0.3154

Complementary

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



31.9243, 0.2970, 0.2212



57.4533, 0.3209, 0.4511

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.



31.9243, 0.2331, 0.4104



31.9243, 0.2970, 0.2212



31.9243, 0.3895, 0.4836

Square

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



31.9243, 0.2970, 0.2212



31.9243, 0.4837, 0.3782



31.9243, 0.3086, 0.4798



31.9243, 0.1666, 0.2437

Rectangle

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



31.9243, 0.2970, 0.2212



31.9243, 0.4392, 0.2975



31.9243, 0.3086, 0.4798



31.9243, 0.1964, 0.3462

Sweetspot

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



31.9257, 0.2970, 0.2212



80.6738, 0.3092, 0.2989



31.1861, 0.2410, 0.2340



16.8567, 0.3088, 0.2955



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.



31.9257, 0.2970, 0.2212



38.5625, 0.2922, 0.1983



33.8558, 0.3400, 0.2502



13.1133, 0.3101, 0.3057



8.0051, 0.2626, 0.1220



0.5566, 0.2725, 0.1275

Inverse Universe

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



32.0793, 0.3932, 0.3035



39.0140, 0.4209, 0.2985



56.3179, 0.2939, 0.4240



13.1012, 0.3255, 0.3236



9.0870, 0.5968, 0.3062



0.6021, 0.5504, 0.2806

Previews

White Background



This preview shows how the Yxy color 31.9243, 0.2970, 0.2212 looks on a white background.

Color Contrast Check

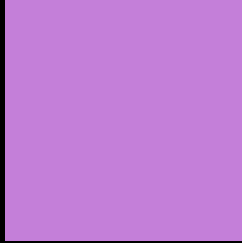
Large Text (above 18pt) WCAG AA × Fail

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 31.9243, 0.2970, 0.2212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

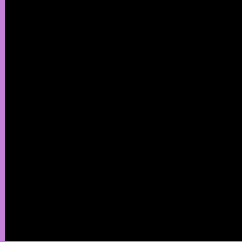
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9243, 0.2970, 0.2212

Background



This preview shows how black text looks on a background with the Yxy color 31.9243, 0.2970, 0.2212.

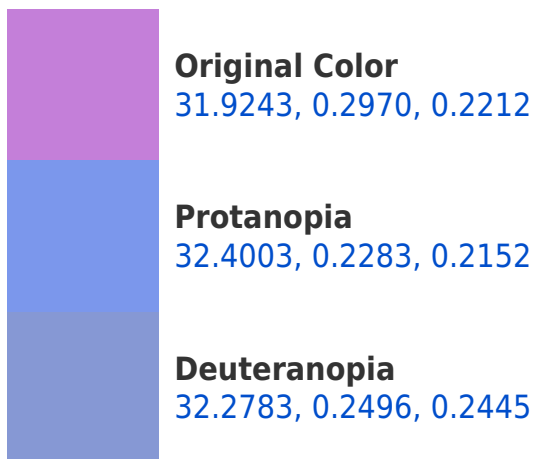


This preview shows how white text looks on a background with the Yxy color 31.9243, 0.2970, 0.2212.

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

31.8815, 0.3514, 0.3140

Trichromacy



Original Color

31.9243, 0.2970, 0.2212



Protanomaly

31.4872, 0.2490, 0.2154



Deuteranomaly

31.6681, 0.2649, 0.2339



Tritanomaly

31.6901, 0.3300, 0.2761

Monochromacy



Original Color

31.9243, 0.2970, 0.2212



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.8928, 0.3078, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9243, 0.2970, 0.2212 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(196, 127, 217)` looks like.

```
.text, #text, p{  
    color:rgb(196, 127, 217)  
}
```

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(196, 127, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 127, 217) }
```

Border

The CSS property to change the border of an element to Yxy 31.9243, 0.2970, 0.2212 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(196, 127, 217) }
```

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

```
.border{ border-color:rgb(196, 127, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 127, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 127, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 127, 217);  
box-shadow:4px 4px 4px 4px rgb(196, 127,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9243, 0.2970, 0.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 127, 217) }
```

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

```
.background{ background-color: rgb(196,  
127, 217) }
```

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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