

Converting Colors

$Y_{xy}(28.4828, 0.2953, 0.2048)$

Have a look what the booklet for
Yxy(28.4828, 0.2953, 0.2048)
contains.

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Color

Yxy(28.4743, 0.2950, 0.2046)

Conversions

Conversions Part 1

Format	Color
Hex	C371DA
RGB	195, 113, 218
RGB Percent	76%, 44%, 85%
CMY	0.2354, 0.5567, 0.1452
CMYK	0.11, 0.48, 0.00, 0.15
HSL	287°, 59%, 65%
HSV	287°, 48%, 85%
XYZ	41.0553, 28.4743, 69.6410
YIQ	149.4880, 15.1670, 50.0390

Conversions

Conversions Part 2

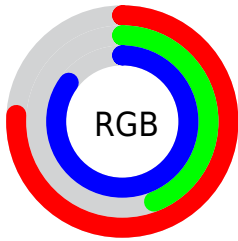
Format	Color
RYB	195, 113, 218
Decimal	12808666
CIELab	60.31, 49.02, -40.74
CIELCh	60, 63.738, 320.268
Yxy	28.4743, 0.2950, 0.2046
Android (android.graphics.Color)	4290998746 (0xFFC371DA)
YUV	149.4880, 33.7764, 39.9140
Hunter-Lab	53.3613, 43.9527, -40.0255

Details

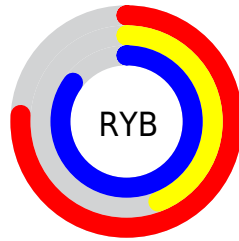
The Yxy color **28.4743, 0.2950, 0.2046** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **56.5578, 0.3203, 0.4741**, and the grayscale version is **30.1234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7401, 0.3151, 0.2427**, and **11.4708, 0.2856, 0.1731** is the 20% darker color. If you saturate the color by 10%, you get **23.5542, 0.2897, 0.1810**, and if you desaturate by 10%, it is **34.5851, 0.2998, 0.2302**.

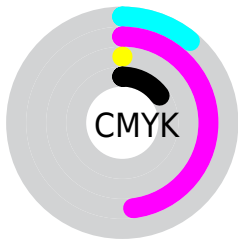
Distribution



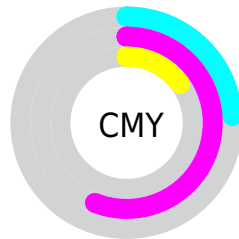
- Red (76%)
- Green (44%)
- Blue (85%)



- Red (76%)
- Yellow (44%)
- Blue (85%)



- Cyan (11%)
- Magenta (48%)
- Yellow (0%)
- Black (15%)



- Cyan (24%)
- Magenta (56%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4743, 0.2950, 0.2046 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 28.4743, 0.2950, 0.2046 by changing the saturation by 10% instead.

 28.4743, 0.2950,
0.2046


 28.4743, 0.2950,
0.2046


294.7264, 0.3065,
0.2645


 18.6835, 0.2914,
0.1907


 57.2408, 0.2998,
0.2257

 11.4418, 0.2863,
0.1734


 76.9853, 0.3014,
0.2338

 6.3648, 0.2788,
0.1518


 100.8165, 0.3027,
0.2407

 3.0682, 0.2674,
0.1242

129.1187, 0.3038,
0.2468

 1.1674, 0.2485,
0.0890

162.2764, 0.3047,
0.2520

 0.0349, 0.2239,
0.0060

200.6740, 0.3054,

 0.0000, 0.0866,

0.2567


0.0000


244.6959, 0.3060,
0.2608


 0.0000, 0.0000,
0.0000


 28.4743, 0.2950,
0.2046


 28.4743, 0.2950,
0.2046

 23.5542, 0.2897,
0.1810


 34.5851, 0.2998,
0.2302

 19.7359, 0.2840,
0.1606


 41.9597, 0.3040,
0.2567

 16.9241, 0.2781,
0.1441

 50.6696, 0.3076,
0.2832

 15.0050, 0.2722,
0.1322

 60.7797, 0.3107,
0.3090

 13.8142, 0.2664,
0.1247

 72.3508, 0.3131,
0.3334

■ 13.6269, 0.2654,
0.1236

■ 85.4401, 0.3151,
0.3563

■ 93.1423, 0.3174,
0.3671

■ 93.9366, 0.3205,
0.3668

■ 94.7527, 0.3235,
0.3664

Harmonies

Analogous

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



28.4743, 0.2098, 0.1817



28.4743, 0.2950, 0.2046



28.4743, 0.4030, 0.2510

Triad

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



28.4743, 0.2950, 0.2046



28.4743, 0.4754, 0.4541



28.4743, 0.1600, 0.3072

Complementary

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



28.4743, 0.2950, 0.2046



56.5578, 0.3203, 0.4741

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.



28.4743, 0.2145, 0.4263



28.4743, 0.2950, 0.2046



28.4743, 0.3960, 0.5132

Square

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



28.4743, 0.2950, 0.2046



28.4743, 0.5153, 0.3819



28.4743, 0.3013, 0.5144



28.4743, 0.1435, 0.2245

Rectangle

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



28.4743, 0.2950, 0.2046



28.4743, 0.4671, 0.2911



28.4743, 0.3013, 0.5144



28.4743, 0.1738, 0.3448

Sweetspot

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



28.4755, 0.2950, 0.2046



77.8454, 0.3089, 0.2937



26.6125, 0.2278, 0.2128



16.0098, 0.3082, 0.2881



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.



28.4755, 0.2950, 0.2046



33.3769, 0.2895, 0.1802



30.4357, 0.3478, 0.2400



13.1234, 0.3103, 0.3057



8.2155, 0.2662, 0.1240



0.5686, 0.2756, 0.1292

Inverse Universe

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



28.4973, 0.4155, 0.3016



33.6757, 0.4519, 0.2972



55.5638, 0.2906, 0.4401



13.0980, 0.3257, 0.3239



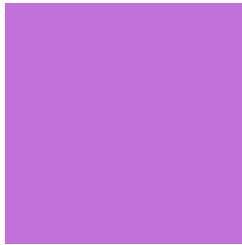
9.0699, 0.6012, 0.3085



0.6006, 0.5552, 0.2832

Previews

White Background



This preview shows how the Yxy color 28.4743, 0.2950, 0.2046 looks on a white background.

Color Contrast Check

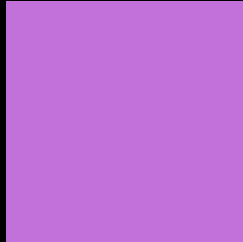
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4743, 0.2950, 0.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

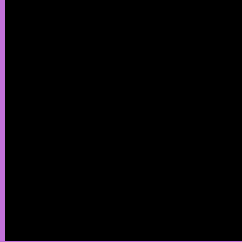
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4743, 0.2950, 0.2046

Background



This preview shows how black text looks on a background with the Yxy color 28.4743, 0.2950, 0.2046.



This preview shows how white text looks on a background with the Yxy color 28.4743, 0.2950, 0.2046.

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

28.4743, 0.2950, 0.2046

Protanopia

28.8207, 0.2114, 0.1921

Deuteranopia

28.9262, 0.2372, 0.2317



Tritanopia

28.3460, 0.3633, 0.3150

Trichromacy



Original Color

28.4743, 0.2950, 0.2046



Protanomaly

27.5491, 0.2336, 0.1925



Deuteranomaly

27.8331, 0.2550, 0.2180



Tritanomaly

27.9712, 0.3370, 0.2685

Monochromacy



Original Color

28.4743, 0.2950, 0.2046



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.7713, 0.3068, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4743, 0.2950, 0.2046 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(195, 113, 218)` looks like.

```
.text, #text, p{  
    color:rgb(195, 113, 218)  
}
```

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(195, 113, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 113, 218) }
```

Border

The CSS property to change the border of an element to Yxy 28.4743, 0.2950, 0.2046 is called "border". The border property can be set on classes, ids or directly on the HTML element.

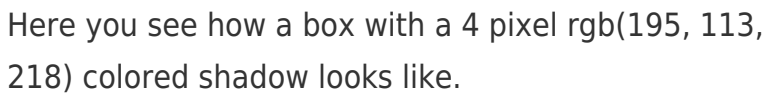
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 113, 218) }
```

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

```
.border{ border-color:rgb(195, 113, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 113, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 113, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 113, 218); box-shadow:4px 4px 4px 4px rgb(195, 113, 218) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4743, 0.2950, 0.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 113, 218) }
```

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

```
.background{ background-color: rgb(195,  
113, 218) }
```

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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