

Converting Colors

$Y_{xy}(28.3711, 0.2909, 0.2472)$

Have a look what the booklet for
Yxy(28.3711, 0.2909, 0.2472)
contains.

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Color

Yxy(28.3711, 0.2909, 0.2472)

Conversions

Conversions Part 1

Format	Color
Hex	A684BF
RGB	166, 132, 191
RGB Percent	65%, 52%, 75%
CMY	0.3489, 0.4824, 0.2509
CMYK	0.13, 0.31, 0.00, 0.25
HSL	275°, 32%, 63%
HSV	275°, 31%, 75%
XYZ	33.3865, 28.3711, 53.0122
YIQ	148.8920, 1.3250, 25.5570

Conversions

Conversions Part 2

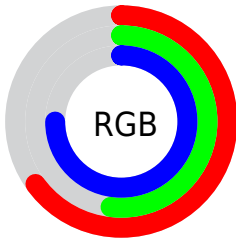
Format	Color
RYB	166, 132, 191
Decimal	10912959
CIELab	60.22, 24.24, -25.92
CIElCh	60, 35.491, 313.085
Yxy	28.3711, 0.2909, 0.2472
Android (android.graphics.Color)	4289103039 (0xFFA684BF)
YUV	148.8920, 20.7592, 15.0037
Hunter-Lab	53.2645, 18.6720, -21.7239

Details

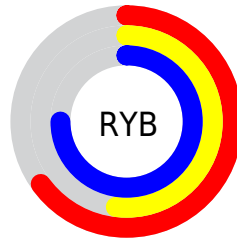
The Yxy color **28.3711, 0.2909, 0.2472** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.0967, 0.3289, 0.4131**, and the grayscale version is **29.9195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0048, 0.2957, 0.2617**, and **11.3514, 0.2824, 0.2235** is the 20% darker color. If you saturate the color by 10%, you get **22.8113, 0.2816, 0.2186**, and if you desaturate by 10%, it is **34.9366, 0.2991, 0.2752**.

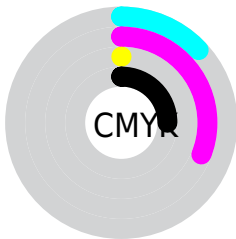
Distribution



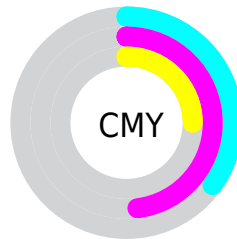
- Red (65%)
- Green (52%)
- Blue (75%)



- Red (65%)
- Yellow (52%)
- Blue (75%)



- Cyan (13%)
- Magenta (31%)
- Yellow (0%)
- Black (25%)





- Cyan (35%)
- Magenta (48%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3711, 0.2909, 0.2472 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 28.3711, 0.2909, 0.2472 by changing the saturation by 10% instead.


 28.3711, 0.2909,
0.2472


 28.3711, 0.2909,
0.2472


294.2359, 0.3034,
0.2888


 18.6056, 0.2873,
0.2367


 57.0764, 0.2958,
0.2625

 11.3856, 0.2823,
0.2231


 76.7849, 0.2975,
0.2682

 6.3268, 0.2751,
0.2051


 100.5766, 0.2990,
0.2730

 3.0448, 0.2640,
0.1802

128.8358, 0.3001,
0.2771

 1.1552, 0.2452,
0.1440

161.9470, 0.3011,
0.2806

 0.0246, 0.2221,
0.0089

200.2945, 0.3020,

 0.0000, 0.0000,

0.2837

0.0000

244.2626, 0.3027,
0.2864

■ 28.3711, 0.2909,
0.2472

■ 28.3711, 0.2909,
0.2472

■ 22.8113, 0.2816,
0.2186

■ 34.9366, 0.2991,
0.2752

■ 18.2009, 0.2714,
0.1904

■ 42.5530, 0.3062,
0.3019

■ 14.4831, 0.2604,
0.1639


■ 51.2672, 0.3122,
0.3269


■ 11.5937, 0.2491,
0.1403


■ 61.1221, 0.3173,
0.3498

■ 9.4594, 0.2378,
0.1210


■ 72.1581, 0.3215,
0.3707


 7.9934, 0.2271,
0.1066

 84.4139, 0.3250,
0.3895

 7.0879, 0.2179,
0.0974

 90.9097, 0.3292,
0.3965

 92.2218, 0.3345,
0.3954

 93.5959, 0.3399,
0.3943

Harmonies

Analogous

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



28.3711, 0.2424, 0.2372



28.3711, 0.2909, 0.2472



28.3711, 0.3505, 0.2745

Triad

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



28.3711, 0.2909, 0.2472



28.3711, 0.4193, 0.4021



28.3711, 0.2283, 0.3354

Complementary

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



28.3711, 0.2909, 0.2472



46.0967, 0.3289, 0.4131

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.



28.3711, 0.2701, 0.3942



28.3711, 0.2909, 0.2472



28.3711, 0.3806, 0.4314

Square

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



28.3711, 0.2909, 0.2472



28.3711, 0.4287, 0.3592



28.3711, 0.3257, 0.4313



28.3711, 0.2091, 0.2815

Rectangle

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



28.3711, 0.2909, 0.2472



28.3711, 0.3876, 0.2999



28.3711, 0.3257, 0.4313



28.3711, 0.2400, 0.3556

Sweetspot

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



28.3723, 0.2909, 0.2472



78.8001, 0.3073, 0.3064



32.9725, 0.2632, 0.2793



16.8245, 0.3064, 0.3026



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.3723, 0.2909, 0.2472



43.9565, 0.2848, 0.2281



31.1687, 0.3202, 0.2578



9.4897, 0.3072, 0.3059



4.7058, 0.2192, 0.0981



0.2221, 0.2433, 0.1114

Inverse Universe

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



30.0108, 0.3525, 0.2953



47.4784, 0.3645, 0.2878



43.9463, 0.3058, 0.4124



9.6016, 0.3224, 0.3193



7.6834, 0.5254, 0.2668



0.3141, 0.4646, 0.2333

Previews

White Background



This preview shows how the Yxy color 28.3711, 0.2909, 0.2472 looks on a white background.

Color Contrast Check

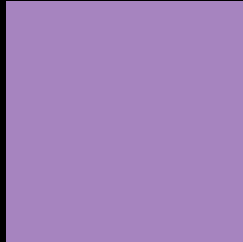
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3711, 0.2909, 0.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

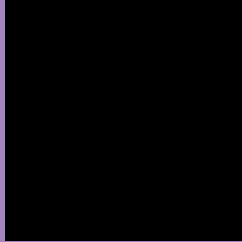
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3711, 0.2909, 0.2472

Background



This preview shows how black text looks on a background with the Yxy color 28.3711, 0.2909, 0.2472.



This preview shows how white text looks on a background with the Yxy color 28.3711, 0.2909, 0.2472.

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

28.3711, 0.2909, 0.2472

Protanopia

28.4822, 0.2518, 0.2447

Deuteranopia

28.5533, 0.2655, 0.2600



Tritanopia

28.4641, 0.3232, 0.3123

Trichromacy



Original Color

28.3711, 0.2909, 0.2472

Protanomaly

28.2472, 0.2640, 0.2448

Deuteranomaly

28.3860, 0.2740, 0.2545

Tritanomaly

28.3259, 0.3105, 0.2862

Monochromacy



Original Color

28.3711, 0.2909, 0.2472

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.2938, 0.3049, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3711, 0.2909, 0.2472 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, 132, 191)` looks like.

```
.text, #text, p{  
    color:rgb(166, 132, 191)  
}
```

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, 132, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 132, 191) }
```

Border

The CSS property to change the border of an element to Yxy 28.3711, 0.2909, 0.2472 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, 132, 191) }
```

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

```
.border{ border-color:rgb(166, 132, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 132, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 132, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 132, 191);  
box-shadow:4px 4px 4px 4px rgb(166, 132,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3711, 0.2909, 0.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 132, 191) }
```

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

```
.background{ background-color: rgb(166,  
132, 191) }
```

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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