

Converting Colors

$Y_{xy}(28.8614, 0.3068, 0.2314)$

Have a look what the booklet for
Yxy(28.8614, 0.3068, 0.2314)
contains.

Yxy(28.8614, 0.3068, 0.2314)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(28.8614, 0.3068, 0.2314)

Conversions

Conversions Part 1

Format	Color
Hex	BD7AC7
RGB	189, 122, 199
RGB Percent	74%, 48%, 78%
CMY	0.2586, 0.5217, 0.2195
CMYK	0.05, 0.39, 0.00, 0.22
HSL	292°, 41%, 63%
HSV	292°, 39%, 78%
XYZ	38.2657, 28.8614, 57.5981
YIQ	150.8110, 15.2150, 38.1510

Conversions

Conversions Part 2

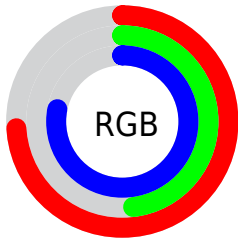
Format	Color
RYB	189, 122, 199
Decimal	12417735
CIELab	60.66, 38.77, -29.58
CIELCh	61, 48.767, 322.659
Yxy	28.8614, 0.3068, 0.2314
Android (android.graphics.Color)	4290607815 (0xFFBD7AC7)
YUV	150.8110, 23.7572, 33.4918
Hunter-Lab	53.7228, 33.1271, -25.9609

Details

The Yxy color **28.8614, 0.3068, 0.2314** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **47.1610, 0.3145, 0.4434**, and the grayscale version is **30.7549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8635, 0.3093, 0.2500**, and **11.6191, 0.3020, 0.2041** is the 20% darker color. If you saturate the color by 10%, you get **24.1404, 0.3044, 0.2074**, and if you desaturate by 10%, it is **34.5914, 0.3088, 0.2567**.

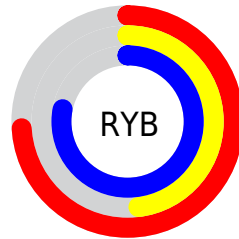
Distribution



Red (74%)

Green (48%)

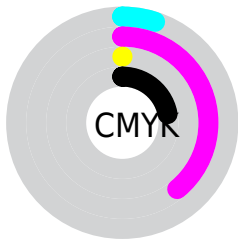
Blue (78%)



Red (74%)

Yellow (48%)

Blue (78%)

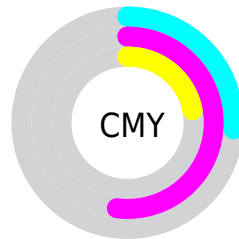


Cyan (5%)

Magenta (39%)

Yellow (0%)

Black (22%)



Cyan (26%)


Magenta (52%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8614, 0.3068, 0.2314 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 28.8614, 0.3068, 0.2314 by changing the saturation by 10% instead.


 28.8614, 0.3068,
0.2314

 28.8614, 0.3068,
0.2314

296.5604, 0.3114,
0.2798

 18.9760, 0.3051,
0.2196


 57.8568, 0.3089,
0.2488

 11.6529, 0.3026,
0.2046


 77.7356, 0.3095,
0.2554

 6.5078, 0.2988,
0.1852


 101.7143, 0.3100,
0.2610

 3.1563, 0.2923,
0.1592

130.1773, 0.3104,
0.2658

 1.2138, 0.2804,
0.1233

163.5091, 0.3107,
0.2700

 0.0730, 0.2707,
0.0192

202.0939, 0.3110,

 0.0000, 0.0000,

0.2737

0.0000

246.3162, 0.3112,
0.2769

■ 28.8614, 0.3068,
0.2314

■ 28.8614, 0.3068,
0.2314

■ 24.1404, 0.3044,
0.2074

■ 34.5914, 0.3088,
0.2567

■ 20.3631, 0.3017,
0.1857

■ 41.3830, 0.3105,
0.2825

■ 17.4624, 0.2986,
0.1672


■ 49.2895, 0.3118,
0.3078

■ 15.3609, 0.2954,
0.1529


■ 58.3597, 0.3128,
0.3321

■ 13.9672, 0.2921,
0.1429

■ 68.6393, 0.3136,
0.3550

 13.1334, 0.2887,
0.1369

 80.1717, 0.3141,
0.3762

 13.0398, 0.2883,
0.1362

 88.9205, 0.3148,
0.3897

 89.2946, 0.3164,
0.3894

 89.6747, 0.3180,
0.3891

Harmonies

Analogous

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



28.8614, 0.2365, 0.2108



28.8614, 0.3068, 0.2314



28.8614, 0.3889, 0.2716

Triad

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



28.8614, 0.3068, 0.2314



28.8614, 0.4404, 0.4381



28.8614, 0.1894, 0.3091

Complementary

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



28.8614, 0.3068, 0.2314



47.1610, 0.3145, 0.4434

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.



28.8614, 0.2334, 0.3948



28.8614, 0.3068, 0.2314



28.8614, 0.3780, 0.4740

Square

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



28.8614, 0.3068, 0.2314



28.8614, 0.4704, 0.3826



28.8614, 0.3022, 0.4624



28.8614, 0.1761, 0.2455

Rectangle

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



28.8614, 0.3068, 0.2314



28.8614, 0.4354, 0.3059



28.8614, 0.3022, 0.4624



28.8614, 0.2007, 0.3366

Sweetspot

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



28.8627, 0.3068, 0.2314



81.2635, 0.3114, 0.2991



24.8297, 0.2445, 0.2280



16.9962, 0.3112, 0.2957



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.



28.8627, 0.3068, 0.2314



43.8057, 0.3049, 0.2121



28.9890, 0.3477, 0.2663



10.7444, 0.3117, 0.3061



8.4101, 0.2888, 0.1364



0.4181, 0.2959, 0.1404

Inverse Universe

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



27.7218, 0.3953, 0.3160



41.6468, 0.4217, 0.3135



47.2006, 0.2893, 0.4019



10.6589, 0.3270, 0.3260



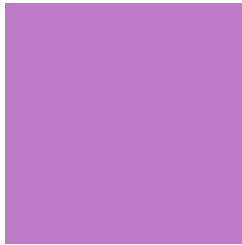
7.8622, 0.6219, 0.3200



0.3798, 0.5760, 0.2946

Previews

White Background



This preview shows how the Yxy color 28.8614, 0.3068, 0.2314 looks on a white background.

Color Contrast Check

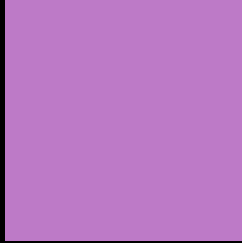
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8614, 0.3068, 0.2314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

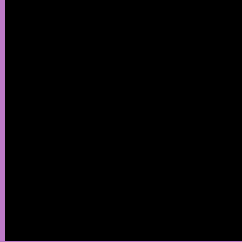
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8614, 0.3068, 0.2314

Background



This preview shows how black text looks on a background with the Yxy color 28.8614, 0.3068, 0.2314.



This preview shows how white text looks on a background with the Yxy color 28.8614, 0.3068, 0.2314.

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

28.8614, 0.3068, 0.2314

Protanopia

29.0938, 0.2361, 0.2251

Deuteranopia

28.9550, 0.2595, 0.2534



Tritanopia

28.8876, 0.3555, 0.3149

Trichromacy



Original Color

28.8614, 0.3068, 0.2314

Protanomaly

28.3725, 0.2575, 0.2262

Deuteranomaly

28.4639, 0.2753, 0.2441

Tritanomaly

28.8359, 0.3372, 0.2823

Monochromacy



Original Color

28.8614, 0.3068, 0.2314

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.5827, 0.3115, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8614, 0.3068, 0.2314 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(189, 122, 199)` looks like.

```
.text, #text, p{  
    color:rgb(189, 122, 199)  
}
```

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(189, 122, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 122, 199) }
```

Border

The CSS property to change the border of an element to Yxy 28.8614, 0.3068, 0.2314 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(189, 122, 199) }
```

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

```
.border{ border-color:rgb(189, 122, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 122, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 122, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 122, 199);  
box-shadow:4px 4px 4px 4px rgb(189, 122,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8614, 0.3068, 0.2314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 122, 199) }
```

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

```
.background{ background-color: rgb(189,  
122, 199) }
```

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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