

Converting Colors

$Y_{xy}(28.8192, 0.3098, 0.2713)$

Have a look what the booklet for
Yxy(28.8192, 0.3098, 0.2713)
contains.

Yxy(28.6914, 0.3101, 0.2709)	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(28.6914, 0.3101, 0.2709)

Conversions

Conversions Part 1

Format	Color
Hex	AA86AF
RGB	170, 134, 175
RGB Percent	67%, 53%, 69%
CMY	0.3333, 0.4745, 0.3136
CMYK	0.03, 0.23, 0.00, 0.31
HSL	293°, 20%, 61%
HSV	293°, 23%, 69%
XYZ	32.8431, 28.6914, 44.3769
YIQ	149.4380, 8.2950, 20.3830

Conversions

Conversions Part 2

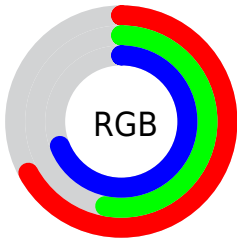
Format	Color
RYB	170, 134, 175
Decimal	11175599
CIELab	60.51, 21.09, -16.37
CIElCh	61, 26.697, 322.171
Yxy	28.6914, 0.3101, 0.2709
Android (android.graphics.Color)	4289365679 (0xFFAA86AF)
YUV	149.4380, 12.6021, 18.0329
Hunter-Lab	53.5644, 15.7101, -11.6254

Details

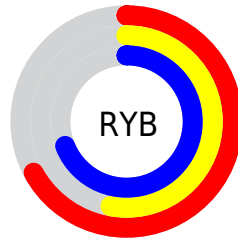
The Yxy color **28.6914, 0.3101, 0.2709** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.8814, 0.3141, 0.3928**, and the grayscale version is **30.1934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4789, 0.3110, 0.2812**, and **11.5277, 0.3085, 0.2537** is the 20% darker color. If you saturate the color by 10%, you get **24.0116, 0.3084, 0.2455**, and if you desaturate by 10%, it is **34.1783, 0.3114, 0.2962**.

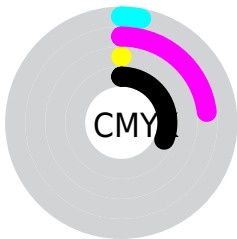
Distribution



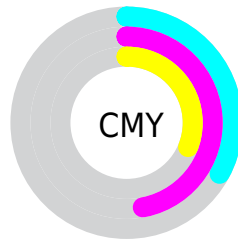
- Red (67%)
- Green (53%)
- Blue (69%)



- Red (67%)
- Yellow (53%)
- Blue (69%)



- Cyan (3%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)




- Cyan (33%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6914, 0.3101, 0.2709 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 28.6914, 0.3101, 0.2709 by changing the saturation by 10% instead.


 28.6914, 0.3101,
0.2709

 28.6914, 0.3101,
0.2709


295.7561, 0.3120,
0.3010


 18.8475, 0.3094,
0.2631


 57.5864, 0.3110,
0.2821

 11.5601, 0.3083,
0.2529


 77.4063, 0.3112,
0.2862

 6.4449, 0.3066,
0.2390


 101.3203, 0.3114,
0.2896

 3.1175, 0.3036,
0.2191

129.7129, 0.3116,
0.2926

 1.1934, 0.2976,
0.1884

162.9683, 0.3117,
0.2951

 0.0563, 0.3070,
0.0304

201.4711, 0.3118,

 0.0000, 0.0000,

0.2973

0.0000

245.6056, 0.3119,
0.2992

■ 28.6914, 0.3101,
0.2709

■ 28.6914, 0.3101,
0.2709

■ 24.0116, 0.3084,
0.2455

■ 34.1783, 0.3114,
0.2962

■ 20.0957, 0.3064,
0.2210

■ 40.5053, 0.3124,
0.3208

■ 16.9023, 0.3041,
0.1981

■ 47.7079, 0.3132,
0.3442

■ 14.3845, 0.3015,
0.1780

■ 55.8187, 0.3137,
0.3661

■ 12.4898, 0.2986,
0.1615

■ 64.8685, 0.3140,
0.3863

■ 11.1580, 0.2955,
0.1491

■ 74.8865, 0.3142,
0.4049

■ 10.3168, 0.2924,
0.1411

■ 84.9298, 0.3143,
0.4203

■ 9.9281, 0.2904,
0.1373

■ 85.1982, 0.3156,
0.4200

■ 85.4705, 0.3169,
0.4196

Harmonies

Analogous

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



28.6914, 0.2693, 0.2589



28.6914, 0.3101, 0.2709



28.6914, 0.3545, 0.2959

Triad

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



28.6914, 0.3101, 0.2709



28.6914, 0.3869, 0.3939



28.6914, 0.2419, 0.3215

Complementary

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



28.6914, 0.3101, 0.2709



37.8814, 0.3141, 0.3928

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.



28.6914, 0.2699, 0.3648



28.6914, 0.3101, 0.2709



28.6914, 0.3534, 0.4081

Square

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



28.6914, 0.3101, 0.2709



28.6914, 0.4005, 0.3643



28.6914, 0.3104, 0.3982



28.6914, 0.2321, 0.2845

Rectangle

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



28.6914, 0.3101, 0.2709



28.6914, 0.3792, 0.3175



28.6914, 0.3104, 0.3982



28.6914, 0.2494, 0.3360

Sweetspot

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



28.6926, 0.3101, 0.2709



68.1719, 0.3121, 0.3119



26.7657, 0.2743, 0.2732



15.0041, 0.3120, 0.3104



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



28.6926, 0.3101, 0.2709



46.9687, 0.3093, 0.2581



28.7041, 0.3311, 0.2919



8.0976, 0.3119, 0.3065



7.1255, 0.2907, 0.1375



0.2119, 0.3005, 0.1429

Inverse Universe

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



28.0313, 0.3544, 0.3218



45.6079, 0.3664, 0.3201



37.9092, 0.2980, 0.3693



8.0307, 0.3268, 0.3263



6.5718, 0.6222, 0.3201



0.1877, 0.5631, 0.2876

Previews

White Background



This preview shows how the Yxy color 28.6914, 0.3101, 0.2709 looks on a white background.

Color Contrast Check

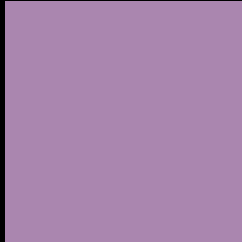
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6914, 0.3101, 0.2709 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 28.6914, 0.3101, 0.2709

Background



This preview shows how black text looks on a background with the Yxy color 28.6914, 0.3101, 0.2709.



This preview shows how white text looks on a background with the Yxy color 28.6914, 0.3101, 0.2709.

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

28.6914, 0.3101, 0.2709

Protanopia

28.9466, 0.2721, 0.2727

Deuteranopia

28.8651, 0.2887, 0.2835



Tritanopia

28.7422, 0.3320, 0.3141

Trichromacy



Original Color

28.6914, 0.3101, 0.2709

Protanomaly

28.6940, 0.2853, 0.2724

Deuteranomaly

28.7807, 0.2956, 0.2786

Tritanomaly

28.5754, 0.3240, 0.2981

Monochromacy



Original Color

28.6914, 0.3101, 0.2709

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

29.5832, 0.3127, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6914, 0.3101, 0.2709 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(170, 134, 175)` looks like.

```
.text, #text, p{  
    color:rgb(170, 134, 175)  
}
```

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(170, 134, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 134, 175) }
```

Border

The CSS property to change the border of an element to Yxy 28.6914, 0.3101, 0.2709 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(170, 134, 175) }
```

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

```
.border{ border-color:rgb(170, 134, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 134, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 134, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 134, 175);  
box-shadow:4px 4px 4px 4px rgb(170, 134,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6914, 0.3101, 0.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 134, 175) }
```

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

```
.background{ background-color: rgb(170,  
134, 175) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor