

Converting Colors

$Y_{xy}(29.6229, 0.2906, 0.2419)$

Have a look what the booklet for
Yxy(29.6229, 0.2906, 0.2419)
contains.

Yxy(29.6229, 0.2906, 0.2419)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.6229, 0.2906, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	AC85C6
RGB	172, 133, 198
RGB Percent	67%, 52%, 78%
CMY	0.3256, 0.4784, 0.2236
CMYK	0.13, 0.33, 0.00, 0.22
HSL	276°, 36%, 65%
HSV	276°, 33%, 78%
XYZ	35.5867, 29.6229, 57.2497
YIQ	152.0710, 2.3790, 28.4830

Conversions

Conversions Part 2

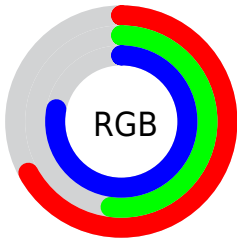
Format	Color
R_{YB}	172, 133, 198
Decimal	11306438
CIE _{Lab}	61.33, 27.07, -28.10
CIE _{LCh}	61, 39.015, 313.925
Yxy	29.6229, 0.2906, 0.2419
Android (android.graphics.Color)	4289496518 (0xFFAC85C6)
YUV	152.0710, 22.6430, 17.4777
Hunter-Lab	54.4269, 21.4639, -24.2662

Details

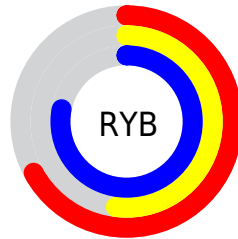
The Yxy color **29.6229, 0.2906, 0.2419** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.4409, 0.3285, 0.4195**, and the grayscale version is **31.3312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2546, 0.2954, 0.2581**, and **12.1221, 0.2822, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **23.8339, 0.2817, 0.2135**, and if you desaturate by 10%, it is **36.4895, 0.2985, 0.2700**.

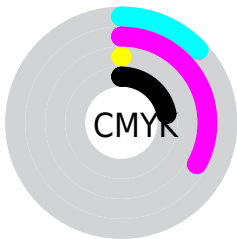
Distribution



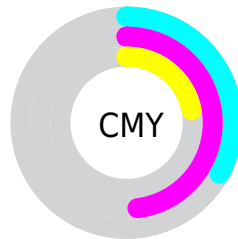
- Red (67%)
- Green (52%)
- Blue (78%)



- Red (67%)
- Yellow (52%)
- Blue (78%)



- Cyan (13%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)





- Cyan (33%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6229, 0.2906, 0.2419 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 29.6229, 0.2906, 0.2419 by changing the saturation by 10% instead.


 29.6229, 0.2906,
0.2419


 29.6229, 0.2906,
0.2419


300.1427, 0.3033,
0.2857

 19.5525, 0.2869,
0.2310


 59.0653, 0.2956,
0.2578

 12.0702, 0.2819,
0.2172


 79.2061, 0.2973,
0.2638

 6.7915, 0.2748,
0.1989


 103.4726, 0.2988,
0.2688

 3.3321, 0.2638,
0.1741

132.2490, 0.3000,
0.2732

 1.3074, 0.2456,
0.1389

165.9199, 0.3010,
0.2769

 0.1470, 0.2224,
0.0408

204.8695, 0.3018,

 0.0000, 0.0000,

0.2802

0.0000

249.4823, 0.3026,
0.2831

■ 29.6229, 0.2906,
0.2419

■ 29.6229, 0.2906,
0.2419

■ 23.8339, 0.2817,
0.2135

■ 36.4895, 0.2985,
0.2700

■ 19.0602, 0.2718,
0.1859

■ 44.4838, 0.3054,
0.2969

■ 15.2390, 0.2613,
0.1602

■ 53.6573, 0.3112,
0.3222

■ 12.2985, 0.2505,
0.1378

■ 64.0573, 0.3162,
0.3456

■ 10.1564, 0.2398,
0.1198

■ 75.7281, 0.3202,
0.3670

■ 8.7140, 0.2296,
0.1069

■ 88.7122, 0.3236,
0.3863

■ 7.9792, 0.2227,
0.1000

■ 91.9981, 0.3284,
0.3885

■ 93.3196, 0.3335,
0.3875

■ 94.7012, 0.3388,
0.3865

Harmonies

Analogous

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



29.6229, 0.2381, 0.2305



29.6229, 0.2906, 0.2419



29.6229, 0.3552, 0.2714

Triad

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



29.6229, 0.2906, 0.2419



29.6229, 0.4269, 0.4081



29.6229, 0.2208, 0.3336

Complementary

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



29.6229, 0.2906, 0.2419



49.4409, 0.3285, 0.4195

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.



29.6229, 0.2648, 0.3985



29.6229, 0.2906, 0.2419



29.6229, 0.3840, 0.4401

Square

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



29.6229, 0.2906, 0.2419



29.6229, 0.4386, 0.3619



29.6229, 0.3244, 0.4400



29.6229, 0.2013, 0.2758

Rectangle

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



29.6229, 0.2906, 0.2419



29.6229, 0.3954, 0.2986



29.6229, 0.3244, 0.4400



29.6229, 0.2330, 0.3558

Sweetspot

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



29.6241, 0.2906, 0.2419



82.9112, 0.3070, 0.3038



34.2342, 0.2596, 0.2739



17.2701, 0.3062, 0.3001



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.



29.6241, 0.2906, 0.2419



45.3232, 0.2846, 0.2226



32.6127, 0.3218, 0.2544



10.5967, 0.3075, 0.3058



5.2417, 0.2239, 0.1007



0.2895, 0.2441, 0.1118

Inverse Universe

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



31.2858, 0.3576, 0.2950



48.8423, 0.3708, 0.2878



47.2102, 0.3046, 0.4171



10.7061, 0.3228, 0.3198



8.1930, 0.5355, 0.2723



0.4022, 0.4804, 0.2420

Previews

White Background



This preview shows how the Yxy color 29.6229, 0.2906, 0.2419 looks on a white background.

Color Contrast Check

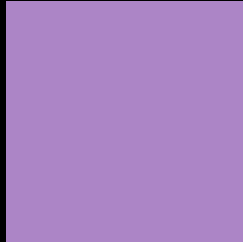
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6229, 0.2906, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

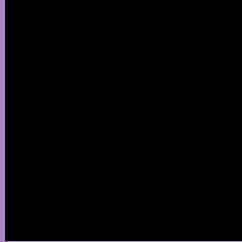
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6229, 0.2906, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 29.6229, 0.2906, 0.2419.



This preview shows how white text looks on a background with the Yxy color 29.6229, 0.2906, 0.2419.

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

29.6229, 0.2906, 0.2419

Protanopia

29.7790, 0.2471, 0.2396

Deuteranopia

29.8163, 0.2624, 0.2569



Tritanopia

29.6452, 0.3263, 0.3127

Trichromacy



Original Color

29.6229, 0.2906, 0.2419

Protanomaly

29.4291, 0.2617, 0.2400

Deuteranomaly

29.5193, 0.2722, 0.2506

Tritanomaly

29.6546, 0.3137, 0.2858

Monochromacy



Original Color

29.6229, 0.2906, 0.2419

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.4863, 0.3042, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6229, 0.2906, 0.2419 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(172, 133, 198)` looks like.

```
.text, #text, p{  
    color:rgb(172, 133, 198)  
}
```

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(172, 133, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 133, 198) }
```

Border

The CSS property to change the border of an element to Yxy 29.6229, 0.2906, 0.2419 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(172, 133, 198) }
```

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

```
.border{ border-color:rgb(172, 133, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 133, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 133, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 133, 198);  
box-shadow:4px 4px 4px 4px rgb(172, 133,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6229, 0.2906, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 133, 198) }
```

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

```
.background{ background-color: rgb(172,  
133, 198) }
```

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