

Converting Colors

$Y_{xy}(29.8733, 0.2916, 0.1906)$

Have a look what the booklet for
Yxy(29.8733, 0.2916, 0.1906)
contains.

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Color

Yxy(29.7874, 0.2915, 0.1902)

Conversions

Conversions Part 1

Format	Color
Hex	CE6CEA
RGB	206, 108, 234
RGB Percent	81%, 42%, 92%
CMY	0.1924, 0.5763, 0.0824
CMYK	0.12, 0.54, 0.00, 0.08
HSL	287°, 75%, 67%
HSV	287°, 54%, 92%
XYZ	45.6521, 29.7874, 81.1714
YIQ	151.6660, 17.9620, 59.9620

Conversions

Conversions Part 2

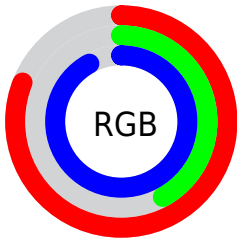
Format	Color
R _Y B	206, 108, 234
Decimal	13528298
CIE Lab	61.47, 57.65, -47.78
CIE LCh	61, 74.873, 320.348
Yxy	29.7874, 0.2915, 0.1902
Android (android.graphics.Color)	4291718378 (0xFFCE6CEA)
YUV	151.6660, 40.5907, 47.6509
Hunter-Lab	54.5778, 53.7966, -49.9752

Details

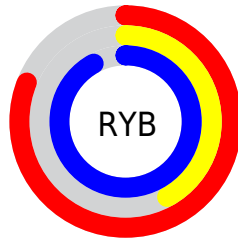
The Yxy color **29.7874, 0.2915, 0.1902** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **65.1617, 0.3204, 0.4936**, and the grayscale version is **31.0688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6744, 0.3169, 0.2394**, and **12.1501, 0.2812, 0.1574** is the 20% darker color. If you saturate the color by 10%, you get **24.7619, 0.2858, 0.1682**, and if you desaturate by 10%, it is **36.1643, 0.2967, 0.2149**.

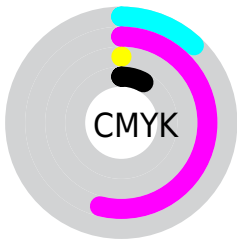
Distribution



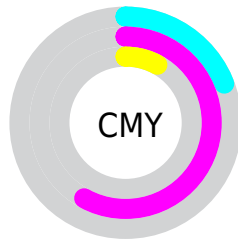
- Red (81%)
- Green (42%)
- Blue (92%)



- Red (81%)
- Yellow (42%)
- Blue (92%)



- Cyan (12%)
- Magenta (54%)
- Yellow (0%)
- Black (8%)



- Cyan (19%)
- Magenta (58%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7874, 0.2915, 0.1902 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 29.7874, 0.2915, 0.1902 by changing the saturation by 10% instead.


 29.7874, 0.2915,
0.1902


 29.7874, 0.2915,
0.1902


300.9122, 0.3053,
0.2551


 19.6773, 0.2873,
0.1757


 59.3258, 0.2971,
0.2126

 12.1607, 0.2815,
0.1581


 79.5229, 0.2991,
0.2213

 6.8532, 0.2732,
0.1365


 103.8510, 0.3006,
0.2289

 3.3705, 0.2608,
0.1098

 132.6947, 0.3019,
0.2355

 1.3281, 0.2413,
0.0772

166.4383, 0.3030,
0.2413

 0.1628, 0.2131,
0.0194

205.4661, 0.3039,


 0.0000, 0.1437,

0.2464


0.0000


250.1626, 0.3046,
0.2510

 0.0000, 0.0000,
0.0000

 29.7874, 0.2915,
0.1902


 29.7874, 0.2915,
0.1902

 24.7619, 0.2858,
0.1682

 36.1643, 0.2967,
0.2149

 20.9754, 0.2799,
0.1499


 43.9857, 0.3014,
0.2412


 18.3032, 0.2738,
0.1360

 53.3406, 0.3055,
0.2679

 16.5922, 0.2679,
0.1268

 64.3097, 0.3089,
0.2943

 15.8693, 0.2643,
0.1229

 76.9680, 0.3118,
0.3197

■ 91.3858, 0.3141,
0.3436

■ 96.4099, 0.3170,
0.3498

■ 97.3473, 0.3203,
0.3496

■ 98.3111, 0.3236,
0.3494

Harmonies

Analogous

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



29.7874, 0.1966, 0.1651



29.7874, 0.2915, 0.1902



29.7874, 0.4164, 0.2406

Triad

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



29.7874, 0.2915, 0.1902



29.7874, 0.4917, 0.4631



29.7874, 0.1408, 0.3007

Complementary

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



29.7874, 0.2915, 0.1902



65.1617, 0.3204, 0.4936

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.



29.7874, 0.1989, 0.4427



29.7874, 0.2915, 0.1902



29.7874, 0.4003, 0.5373

Square

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



29.7874, 0.2915, 0.1902



29.7874, 0.5419, 0.3817



29.7874, 0.2947, 0.5474



29.7874, 0.1248, 0.2087

Rectangle

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



29.7874, 0.2915, 0.1902



29.7874, 0.4910, 0.2841



29.7874, 0.2947, 0.5474



29.7874, 0.1551, 0.3446

Sweetspot

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



29.7887, 0.2915, 0.1902



74.9917, 0.3082, 0.2885



27.1465, 0.2167, 0.1958



15.4459, 0.3075, 0.2830



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.



29.7887, 0.2915, 0.1902



29.3254, 0.2850, 0.1652



32.4146, 0.3537, 0.2304



15.1348, 0.3102, 0.3055



8.9774, 0.2652, 0.1234



0.7465, 0.2733, 0.1279

Inverse Universe

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



30.0060, 0.4350, 0.2984



29.9570, 0.4785, 0.2949



63.9690, 0.2888, 0.4566



15.1090, 0.3258, 0.3238



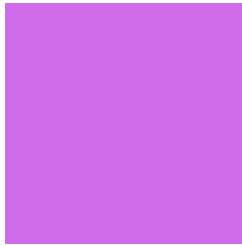
9.9852, 0.6009, 0.3084



0.7982, 0.5626, 0.2873

Previews

White Background



This preview shows how the Yxy color 29.7874, 0.2915, 0.1902 looks on a white background.

Color Contrast Check

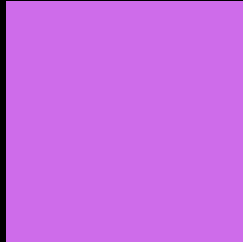
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7874, 0.2915, 0.1902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

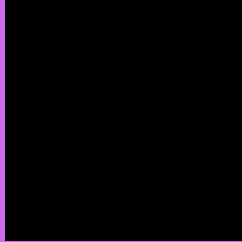
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7874, 0.2915, 0.1902

Background



This preview shows how black text looks on a background with the Yxy color 29.7874, 0.2915, 0.1902.

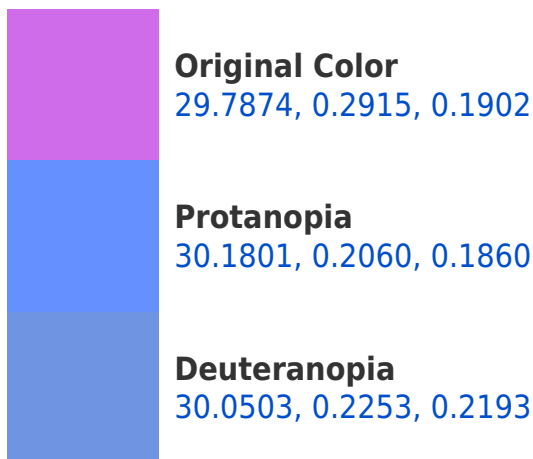


This preview shows how white text looks on a background with the Yxy color 29.7874, 0.2915, 0.1902.

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





Tritanopia

29.7930, 0.3721, 0.3156

Trichromacy



Original Color

29.7874, 0.2915, 0.1902



Protanomaly

28.7069, 0.2287, 0.1840



Deuteranomaly

28.5432, 0.2443, 0.2028



Tritanomaly

29.2668, 0.3416, 0.2623

Monochromacy



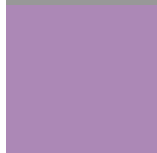
Original Color

29.7874, 0.2915, 0.1902



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.7564, 0.3053, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7874, 0.2915, 0.1902 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(206, 108, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 108, 234)  
}
```

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(206, 108, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 108, 234) }
```

Border

The CSS property to change the border of an element to Yxy 29.7874, 0.2915, 0.1902 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(206, 108, 234) }
```

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

```
.border{ border-color:rgb(206, 108, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 108, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 108, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 108, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 108,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7874, 0.2915, 0.1902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 108, 234) }
```

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

```
.background{ background-color: rgb(206,  
108, 234) }
```

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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