

Converting Colors

$Y_{xy}(29.7409, 0.2799, 0.1850)$

Have a look what the booklet for
Yxy(29.7409, 0.2799, 0.1850)
contains.

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Color

Yxy(29.8023, 0.2800, 0.1856)

Conversions

Conversions Part 1

Format	Color
Hex	C76FF0
RGB	199, 111, 240
RGB Percent	78%, 44%, 94%
CMY	0.2197, 0.5646, 0.0589
CMYK	0.17, 0.54, 0.00, 0.06
HSL	281°, 81%, 69%
HSV	281°, 54%, 94%
XYZ	44.9604, 29.8023, 85.8101
YIQ	152.0180, 11.0390, 58.7750

Conversions

Conversions Part 2

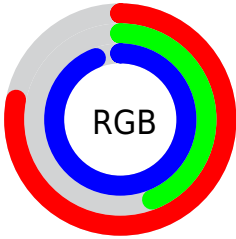
Format	Color
R _{YB}	199, 111, 240
Decimal	13070320
CIE _{Lab}	61.48, 55.60, -51.15
CIE _{LCh}	61, 75.549, 317.391
Yxy	29.8023, 0.2800, 0.1856
Android (android.graphics.Color)	4291260400 (0xFFC76FF0)
YUV	152.0180, 43.3751, 41.2032
Hunter-Lab	54.5915, 51.4737, -54.9814

Details

The Yxy color **29.8023, 0.2800, 0.1856** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **70.1382, 0.3280, 0.4897**, and the grayscale version is **31.2155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **12.1958, 0.2670, 0.1535** is the 20% darker color. If you saturate the color by 10%, you get **24.2325, 0.2716, 0.1617**, and if you desaturate by 10%, it is **36.8334, 0.2879, 0.2120**.

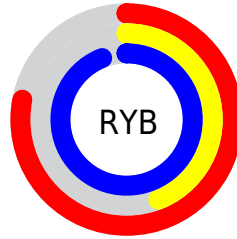
Distribution



Red (78%)

Green (44%)

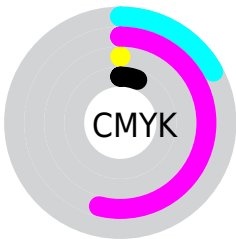
Blue (94%)



Red (78%)

Yellow (44%)

Blue (94%)

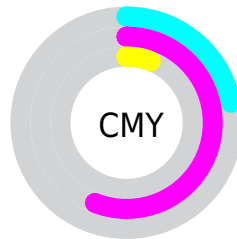


Cyan (17%)

Magenta (54%)

Yellow (0%)

Black (6%)



Cyan (22%)

Magenta (56%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8023, 0.2800, 0.1856 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 29.8023, 0.2800, 0.1856 by changing the saturation by 10% instead.


 29.8023, 0.2800,
0.1856


 29.8023, 0.2800,
0.1856

300.9818, 0.2996,
0.2523

 19.6886, 0.2744,
0.1708


 59.3494, 0.2877,
0.2085


 12.1689, 0.2668,
0.1529


 79.5515, 0.2905,
0.2175

 6.8588, 0.2564,
0.1312


 103.8853, 0.2927,
0.2253

 3.3739, 0.2413,
0.1045

 132.7350, 0.2946,
0.2321

 1.3299, 0.2184,
0.0724

166.4852, 0.2961,
0.2381

 0.1642, 0.1860,
0.0179

205.5201, 0.2975,

 0.0000, 0.1142,

0.2434


0.0000

250.2242, 0.2986,
0.2481

 0.0000, 0.0000,
0.0000


 29.8023, 0.2800,
0.1856


 29.8023, 0.2800,
0.1856


 24.2325, 0.2716,
0.1617


 36.8334, 0.2879,
0.2120


 20.0041, 0.2629,
0.1413


 45.4255, 0.2950,
0.2396

 16.9840, 0.2542,
0.1256

 55.6737, 0.3013,
0.2673

 15.0085, 0.2458,
0.1148

 67.6642, 0.3067,
0.2943

 14.1496, 0.2407,
0.1100

 81.4774, 0.3112,
0.3199

97.1805, 0.3150,
0.3437

98.5796, 0.3198,
0.3435

99.0705, 0.3215,
0.3434

Harmonies

Analogous

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



29.8023, 0.1887, 0.1631



29.8023, 0.2800, 0.1856



29.8023, 0.4047, 0.2340

Triad

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



29.8023, 0.2800, 0.1856



29.8023, 0.5001, 0.4553



29.8023, 0.1433, 0.3127

Complementary

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



29.8023, 0.2800, 0.1856



70.1382, 0.3280, 0.4897

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.



29.8023, 0.2060, 0.4581



29.8023, 0.2800, 0.1856



29.8023, 0.4105, 0.5329

Square

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



29.8023, 0.2800, 0.1856



29.8023, 0.5450, 0.3740



29.8023, 0.3047, 0.5536



29.8023, 0.1236, 0.2141

Rectangle

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



29.8023, 0.2800, 0.1856



29.8023, 0.4829, 0.2768



29.8023, 0.3047, 0.5536



29.8023, 0.1591, 0.3587

Sweetspot

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



29.8035, 0.2800, 0.1856



74.2966, 0.3055, 0.2881



32.7854, 0.2203, 0.2134



15.2793, 0.3044, 0.2826



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.



29.8035, 0.2800, 0.1856



27.5519, 0.2712, 0.1606



34.9840, 0.3399, 0.2188



15.7648, 0.3087, 0.3054



7.8210, 0.2420, 0.1107



0.7036, 0.2526, 0.1165

Inverse Universe

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



32.1640, 0.4189, 0.2849



30.8838, 0.4529, 0.2794



67.3733, 0.2950, 0.4741



15.8417, 0.3243, 0.3215



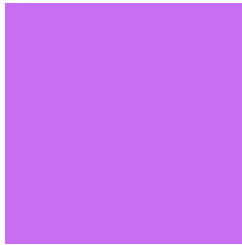
10.4503, 0.5697, 0.2912



0.8868, 0.5325, 0.2707

Previews

White Background



This preview shows how the Yxy color 29.8023, 0.2800, 0.1856 looks on a white background.

Color Contrast Check

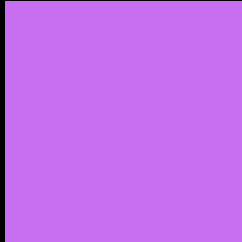
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8023, 0.2800, 0.1856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

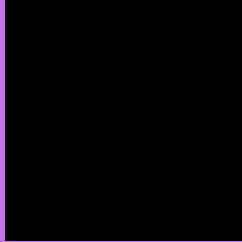
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8023, 0.2800, 0.1856

Background



This preview shows how black text looks on a background with the Yxy color 29.8023, 0.2800, 0.1856.

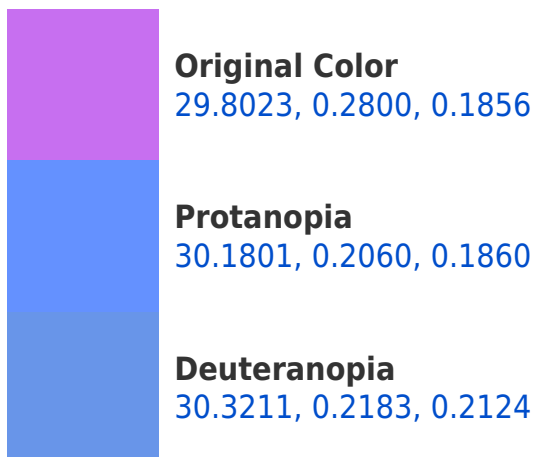


This preview shows how white text looks on a background with the Yxy color 29.8023, 0.2800, 0.1856.

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

29.6866, 0.3586, 0.3151

Trichromacy



Original Color

29.8023, 0.2800, 0.1856



Protanomaly

28.9114, 0.2254, 0.1820



Deuteranomaly

28.8730, 0.2353, 0.1972



Tritanomaly

29.1641, 0.3270, 0.2582

Monochromacy



Original Color

29.8023, 0.2800, 0.1856



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.7870, 0.3004, 0.2635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8023, 0.2800, 0.1856 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(199, 111, 240)` looks like.

```
.text, #text, p{  
    color:rgb(199, 111, 240)  
}
```

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(199, 111, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 111, 240) }
```

Border

The CSS property to change the border of an element to Yxy 29.8023, 0.2800, 0.1856 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(199, 111, 240) }
```

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

```
.border{ border-color:rgb(199, 111, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 111, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 111, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 111, 240);  
box-shadow:4px 4px 4px 4px rgb(199, 111,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8023, 0.2800, 0.1856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 111, 240) }
```

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

```
.background{ background-color: rgb(199,  
111, 240) }
```

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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