

Converting Colors

$Y_{xy}(29.9210, 0.2748, 0.1699)$

Have a look what the booklet for
Yxy(29.9210, 0.2748, 0.1699)
contains.

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Color

Yxy(29.9881, 0.2752, 0.1700)

Conversions

Conversions Part 1

Format	Color
Hex	CF66FF
RGB	207, 102, 255
RGB Percent	81%, 40%, 100%
CMY	0.1881, 0.6001, 0.0000
CMYK	0.19, 0.60, 0.00, 0.00
HSL	281°, 100%, 70%
HSV	281°, 60%, 100%
XYZ	48.5454, 29.9881, 97.8670
YIQ	150.8370, 13.4670, 69.8430

Conversions

Conversions Part 2

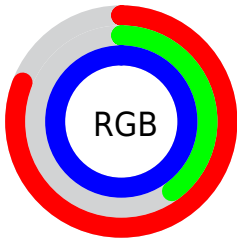
Format	Color
R _Y B	207, 102, 255
Decimal	13592319
CIE Lab	61.64, 65.00, -59.15
CIE LCh	62, 87.883, 317.701
Yxy	29.9881, 0.2752, 0.1700
Android (android.graphics.Color)	4291782399 (0xFFCF66FF)
YUV	150.8370, 51.3524, 49.2550
Hunter-Lab	54.7614, 62.4061, -67.6274

Details

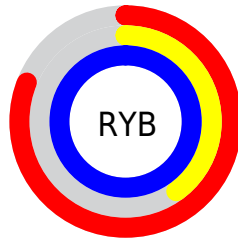
The Yxy color **29.9881, 0.2752, 0.1700** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **78.9558, 0.3276, 0.5100**, and the grayscale version is **30.6424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9337, 0.3171, 0.2347**, and **12.2976, 0.2611, 0.1371** is the 20% darker color. If you saturate the color by 10%, you get **24.6018, 0.2667, 0.1483**, and if you desaturate by 10%, it is **36.9711, 0.2834, 0.1950**.

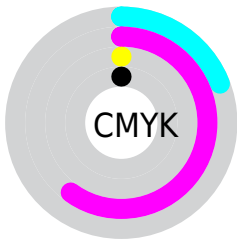
Distribution



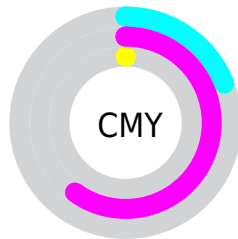
- Red (81%)
- Green (40%)
- Blue (100%)



- Red (81%)
- Yellow (40%)
- Blue (100%)



- Cyan (19%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (19%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9881, 0.2752, 0.1700 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 29.9881, 0.2752, 0.1700 by changing the saturation by 10% instead.


 29.9881, 0.2752,
0.1700


 29.9881, 0.2752,
0.1700


301.8490, 0.2977,
0.2419


 19.8296, 0.2689,
0.1547


 59.6434, 0.2840,
0.1942


 12.2712, 0.2605,
0.1365


 79.9089, 0.2871,
0.2039

 6.9287, 0.2490,
0.1148


 104.3121, 0.2897,
0.2123

 3.4175, 0.2329,
0.0892

 133.2376, 0.2919,
0.2197

 1.3534, 0.2093,
0.0597

167.0696, 0.2937,
0.2262

 0.1820, 0.1764,
0.0150

206.1926, 0.2952,


 0.0000, 0.1208,


0.2320


0.0000


250.9909, 0.2966,
0.2372


 0.0000, 0.0000,
0.0000


 29.9881, 0.2752,
0.1700


 29.9881, 0.2752,
0.1700

 24.6018, 0.2667,
0.1483

 36.9711, 0.2834,
0.1950


 20.6682, 0.2580,
0.1309

 45.6828, 0.2909,
0.2219

 18.0104, 0.2496,
0.1185

 56.2378, 0.2976,
0.2497

 16.3434, 0.2416,
0.1105

 68.7413, 0.3035,
0.2773

 83.2906, 0.3085,
0.3039

99.9763, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



29.9881, 0.1741, 0.1455



29.9881, 0.2752, 0.1700



29.9881, 0.4192, 0.2223

Triad

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



29.9881, 0.2752, 0.1700



29.9881, 0.5159, 0.4610



29.9881, 0.1222, 0.3048

Complementary

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



29.9881, 0.2752, 0.1700



78.9558, 0.3276, 0.5100

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.



29.9881, 0.1874, 0.4800



29.9881, 0.2752, 0.1700



29.9881, 0.4119, 0.5563

Square

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



29.9881, 0.2752, 0.1700



29.9881, 0.5742, 0.3708



29.9881, 0.2948, 0.5929



29.9881, 0.1040, 0.1961

Rectangle

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



29.9881, 0.2752, 0.1700



29.9881, 0.5102, 0.2682



29.9881, 0.2948, 0.5929



29.9881, 0.1381, 0.3588

Sweetspot

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



29.9870, 0.2752, 0.1700



71.5031, 0.3046, 0.2828



31.9919, 0.2085, 0.1934



14.4559, 0.3030, 0.2749



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.



29.9870, 0.2752, 0.1700



23.7099, 0.2650, 0.1445



36.2990, 0.3467, 0.2103



17.9981, 0.3087, 0.3052



8.6228, 0.2429, 0.1112



0.8977, 0.2519, 0.1162

Inverse Universe

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



32.9557, 0.4404, 0.2819



27.4009, 0.4824, 0.2784



75.9551, 0.2928, 0.4912



18.0809, 0.3245, 0.3216



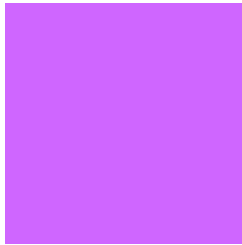
11.4344, 0.5721, 0.2925



1.1321, 0.5401, 0.2749

Previews

White Background



This preview shows how the Yxy color 29.9881, 0.2752, 0.1700 looks on a white background.

Color Contrast Check

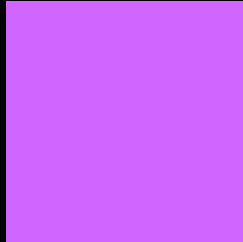
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9881, 0.2752, 0.1700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

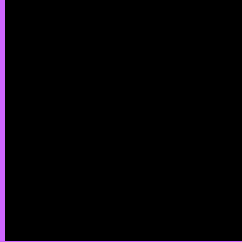
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9881, 0.2752, 0.1700

Background



This preview shows how black text looks on a background with the Yxy color 29.9881, 0.2752, 0.1700.

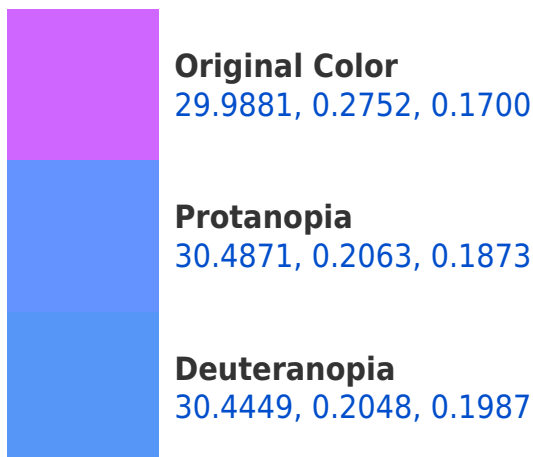


This preview shows how white text looks on a background with the Yxy color 29.9881, 0.2752, 0.1700.

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

29.7054, 0.3672, 0.3154

Trichromacy



Original Color

29.9881, 0.2752, 0.1700



Protanomaly

28.6742, 0.2243, 0.1753



Deuteranomaly

28.3604, 0.2219, 0.1814



Tritanomaly

29.1155, 0.3296, 0.2501

Monochromacy



Original Color

29.9881, 0.2752, 0.1700



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.1071, 0.2977, 0.2522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9881, 0.2752, 0.1700 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(207, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 102, 255)  
}
```

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(207, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 102, 255) }
```

Border

The CSS property to change the border of an element to Yxy 29.9881, 0.2752, 0.1700 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(207, 102, 255) }
```

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

```
.border{ border-color:rgb(207, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 102,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9881, 0.2752, 0.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 102, 255) }
```

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

```
.background{ background-color: rgb(207,  
102, 255) }
```

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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