

Converting Colors

$Y_{xy}(28.2578, 0.2669, 0.1821)$

Have a look what the booklet for
Yxy(28.2578, 0.2669, 0.1821)
contains.

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Color

Yxy(28.2919, 0.2664, 0.1820)

Conversions

Conversions Part 1

Format	Color
Hex	B871F0
RGB	184, 113, 240
RGB Percent	72%, 44%, 94%
CMY	0.2783, 0.5570, 0.0587
CMYK	0.23, 0.53, 0.00, 0.06
HSL	274°, 81%, 69%
HSV	274°, 53%, 94%
XYZ	41.4119, 28.2919, 85.7462
YIQ	148.7070, 1.5490, 54.5490

Conversions

Conversions Part 2

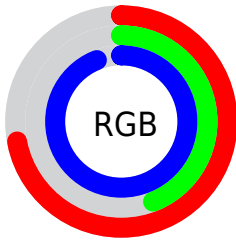
Format	Color
RYB	184, 113, 240
Decimal	12087792
CIELab	60.15, 50.81, -53.40
CIElCh	60, 73.710, 313.580
Yxy	28.2919, 0.2664, 0.1820
Android (android.graphics.Color)	4290277872 (0xFFB871F0)
YUV	148.7070, 45.0074, 30.9520
Hunter-Lab	53.1901, 45.8908, -58.3465

Details

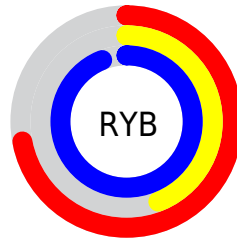
The Yxy color **28.2919, 0.2664, 0.1820** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **71.9664, 0.3383, 0.4820**, and the grayscale version is **29.7324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7347, 0.3063, 0.2403**, and **11.3456, 0.2501, 0.1484** is the 20% darker color. If you saturate the color by 10%, you get **22.3701, 0.2547, 0.1555**, and if you desaturate by 10%, it is **35.7295, 0.2775, 0.2105**.

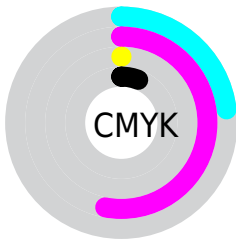
Distribution



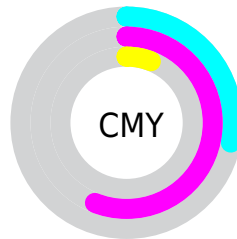
- Red (72%)
- Green (44%)
- Blue (94%)



- Red (72%)
- Yellow (44%)
- Blue (94%)



- Cyan (23%)
- Magenta (53%)
- Yellow (0%)
- Black (6%)





- Cyan (28%)
- Magenta (56%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2919, 0.2664, 0.1820 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 28.2919, 0.2664, 0.1820 by changing the saturation by 10% instead.


 28.2919, 0.2664,
0.1820


 28.2919, 0.2664,
0.1820

293.8591, 0.2929,
0.2509

 18.5458, 0.2591,
0.1667


 56.9501, 0.2766,
0.2057


 11.3426, 0.2494,
0.1481

 76.6311, 0.2803,
0.2150

 6.2977, 0.2362,
0.1256


 100.3924, 0.2834,
0.2231

 3.0270, 0.2176,
0.0982

 128.6186, 0.2859,
0.2301

 1.1458, 0.1903,
0.0656

161.6939, 0.2881,
0.2362

 0.0168, 0.1537,
0.0019

200.0029, 0.2899,


 0.0000, 0.0541,


0.2417


0.0000

243.9298, 0.2915,
0.2465


 0.0000, 0.0000,
0.0000


 28.2919, 0.2664,
0.1820


 28.2919, 0.2664,
0.1820


 22.3701, 0.2547,
0.1555


 35.7295, 0.2775,
0.2105


 17.8444, 0.2427,
0.1324


 44.7835, 0.2876,
0.2398


 14.5817, 0.2310,
0.1141

 55.5495, 0.2965,
0.2686

 12.4199, 0.2200,
0.1011

 68.1145, 0.3043,
0.2961

 11.3829, 0.2128,
0.0946

 82.5596, 0.3110,
0.3218

97.6809, 0.3167,
0.3436

99.0736, 0.3214,
0.3434

Harmonies

Analogous

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



28.2919, 0.1809, 0.1631



28.2919, 0.2664, 0.1820



28.2919, 0.3878, 0.2273

Triad

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



28.2919, 0.2664, 0.1820



28.2919, 0.5080, 0.4444



28.2919, 0.1497, 0.3297

Complementary

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



28.2919, 0.2664, 0.1820



71.9664, 0.3383, 0.4820

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.



28.2919, 0.2178, 0.4745



28.2919, 0.2664, 0.1820



28.2919, 0.4230, 0.5236

Square

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



28.2919, 0.2664, 0.1820



28.2919, 0.5443, 0.3643



28.2919, 0.3186, 0.5552



28.2919, 0.1250, 0.2240

Rectangle

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



28.2919, 0.2664, 0.1820



28.2919, 0.4685, 0.2687



28.2919, 0.3186, 0.5552



28.2919, 0.1674, 0.3772

Sweetspot

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



28.2930, 0.2664, 0.1820



73.4223, 0.3020, 0.2877



38.6089, 0.2259, 0.2361



15.0704, 0.3004, 0.2820



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.



28.2930, 0.2664, 0.1820



24.9166, 0.2532, 0.1523



36.2585, 0.3246, 0.2077



15.6647, 0.3067, 0.3052



6.3091, 0.2144, 0.0955



0.5837, 0.2278, 0.1029

Inverse Universe

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



33.1995, 0.3967, 0.2687



31.5500, 0.4253, 0.2594



67.1917, 0.3020, 0.4909



15.8746, 0.3224, 0.3186



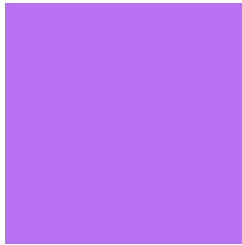
10.7338, 0.5209, 0.2643



0.9126, 0.4881, 0.2462

Previews

White Background



This preview shows how the Yxy color 28.2919, 0.2664, 0.1820 looks on a white background.

Color Contrast Check

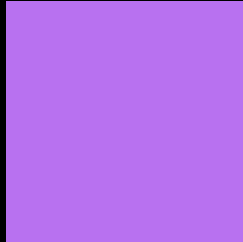
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2919, 0.2664, 0.1820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

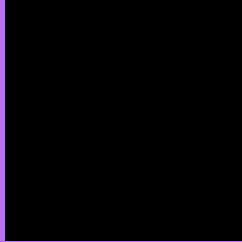
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2919, 0.2664, 0.1820

Background



This preview shows how black text looks on a background with the Yxy color 28.2919, 0.2664, 0.1820.



This preview shows how white text looks on a background with the Yxy color 28.2919, 0.2664, 0.1820.

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

28.2919, 0.2664, 0.1820

Protanopia

28.8932, 0.2020, 0.1810

Deuteranopia

28.8254, 0.2113, 0.2054



Tritanopia

28.0397, 0.3370, 0.3127

Trichromacy



Original Color

28.2919, 0.2664, 0.1820



Protanomaly

27.5703, 0.2185, 0.1773



Deuteranomaly

27.5419, 0.2260, 0.1929



Tritanomaly

27.7732, 0.3086, 0.2557

Monochromacy



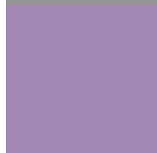
Original Color

28.2919, 0.2664, 0.1820



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.6671, 0.2952, 0.2632

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2919, 0.2664, 0.1820 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(184, 113, 240)` looks like.

```
.text, #text, p{  
    color:rgb(184, 113, 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(184, 113, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 113, 240) }
```

Border

The CSS property to change the border of an element to Yxy 28.2919, 0.2664, 0.1820 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(184, 113, 240) }
```

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

```
.border{ border-color:rgb(184, 113, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 113, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 113, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 113, 240);  
box-shadow:4px 4px 4px 4px rgb(184, 113,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2919, 0.2664, 0.1820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 113, 240) }
```

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

```
.background{ background-color: rgb(184,  
113, 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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