

Converting Colors

$Y_{xy}(27.1211, 0.2770, 0.1815)$

Have a look what the booklet for
Yxy(27.1211, 0.2770, 0.1815)
contains.

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Color

Yxy(27.1200, 0.2770, 0.1815)

Conversions

Conversions Part 1

Format	Color
Hex	BF69EA
RGB	191, 105, 234
RGB Percent	75%, 41%, 92%
CMY	0.2510, 0.5882, 0.0823
CMYK	0.18, 0.55, 0.00, 0.08
HSL	280°, 75%, 66%
HSV	280°, 55%, 92%
XYZ	41.3898, 27.1200, 80.9117
YIQ	145.4200, 9.8470, 58.3510

Conversions

Conversions Part 2

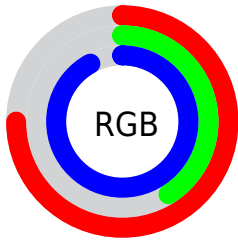
Format	Color
R _Y B	191, 105, 234
Decimal	12544490
CIE Lab	59.09, 55.34, -51.70
CIE LCh	59, 75.731, 316.950
Yxy	27.1200, 0.2770, 0.1815
Android (android.graphics.Color)	4290734570 (0xFFBF69EA)
YUV	145.4200, 43.6699, 39.9737
Hunter-Lab	52.0769, 50.7341, -55.6650

Details

The Yxy color $27.1200, 0.2770, 0.1815$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $66.1773, 0.3294, 0.4932$, and the grayscale version is $28.3116, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.3403, 0.3130, 0.2345$, and $10.7387, 0.2615, 0.1471$ is the 20% darker color. If you saturate the color by 10%, you get $22.0068, 0.2681, 0.1577$, and if you desaturate by 10%, it is $33.6006, 0.2854, 0.2079$.

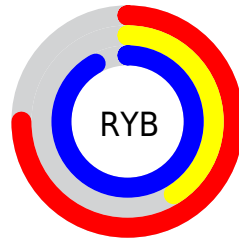
Distribution



Red (75%)

Green (41%)

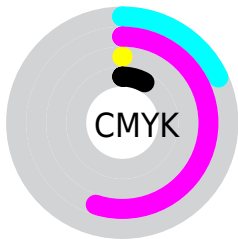
Blue (92%)



Red (75%)

Yellow (41%)

Blue (92%)

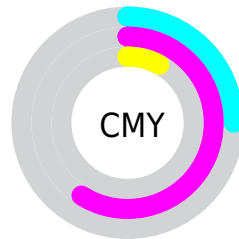


Cyan (18%)

Magenta (55%)

Yellow (0%)

Black (8%)



Cyan (25%)


Magenta (59%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1200, 0.2770, 0.1815 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 27.1200, 0.2770, 0.1815 by changing the saturation by 10% instead.


 27.1200, 0.2770,
0.1815


 27.1200, 0.2770,
0.1815


288.2377, 0.2985,
0.2509

 17.6634, 0.2708,
0.1660


 55.0764, 0.2855,
0.2054

 10.7086, 0.2624,
0.1472


 74.3449, 0.2885,
0.2148

 5.8712, 0.2506,
0.1243


 97.6528, 0.2910,
0.2229

 2.7669, 0.2336,
0.0965

 125.3846, 0.2930,
0.2300

 1.0113, 0.2078,
0.0633

157.9246, 0.2947,
0.2361

 0.0000, 0.1719,
0.0000

195.6571, 0.2962,

 0.0000, 0.0631,

0.2416

0.0000

238.9667, 0.2974,
0.2465

0.0000, 0.0000,
0.0000

27.1200, 0.2770,
0.1815

27.1200, 0.2770,
0.1815

22.0068, 0.2681,
0.1577

33.6006, 0.2854,
0.2079

18.1465, 0.2590,
0.1376

41.5440, 0.2930,
0.2355

15.4107, 0.2499,
0.1222

51.0409, 0.2997,
0.2634

13.6408, 0.2412,
0.1118


62.1733, 0.3056,
0.2906

13.0074, 0.2371,
0.1080

75.0176, 0.3105,
0.3164

 89.6450, 0.3146,
0.3405

 96.9873, 0.3190,
0.3496

 98.4256, 0.3240,
0.3493

 98.7218, 0.3250,
0.3493

Harmonies

Analogous

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



27.1200, 0.1842, 0.1590



27.1200, 0.2770, 0.1815



27.1200, 0.4055, 0.2304

Triad

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



27.1200, 0.2770, 0.1815



27.1200, 0.5051, 0.4554



27.1200, 0.1393, 0.3134

Complementary

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



27.1200, 0.2770, 0.1815



66.1773, 0.3294, 0.4932

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.



27.1200, 0.2035, 0.4653



27.1200, 0.2770, 0.1815



27.1200, 0.4130, 0.5371

Square

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



27.1200, 0.2770, 0.1815



27.1200, 0.5518, 0.3722



27.1200, 0.3047, 0.5626



27.1200, 0.1192, 0.2114

Rectangle

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



27.1200, 0.2770, 0.1815



27.1200, 0.4870, 0.2738



27.1200, 0.3047, 0.5626



27.1200, 0.1554, 0.3614

Sweetspot

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



27.1211, 0.2770, 0.1815



72.7526, 0.3045, 0.2854



30.8088, 0.2187, 0.2131



14.9698, 0.3033, 0.2799



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.



27.1211, 0.2770, 0.1815



26.1125, 0.2670, 0.1551



32.4892, 0.3384, 0.2147



15.0476, 0.3085, 0.3054



7.3794, 0.2384, 0.1087



0.6317, 0.2500, 0.1151

Inverse Universe

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



29.7390, 0.4202, 0.2819



30.0059, 0.4561, 0.2761



63.3262, 0.2957, 0.4812



15.1369, 0.3240, 0.3212



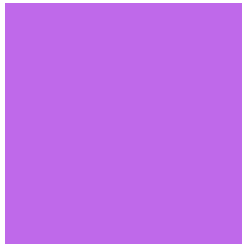
10.1601, 0.5637, 0.2879



0.8151, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 27.1200, 0.2770, 0.1815 looks on a white background.

Color Contrast Check

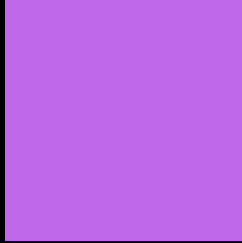
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1200, 0.2770, 0.1815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

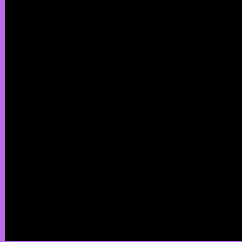
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.1200, 0.2770, 0.1815

Background



This preview shows how black text looks on a background with the Yxy color 27.1200, 0.2770, 0.1815.

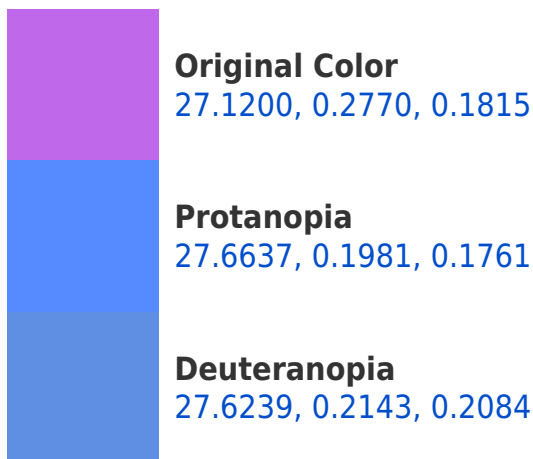


This preview shows how white text looks on a background with the Yxy color 27.1200, 0.2770, 0.1815.

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

27.0888, 0.3555, 0.3145

Trichromacy



Original Color

27.1200, 0.2770, 0.1815



Protanomaly

26.1792, 0.2177, 0.1743



Deuteranomaly

26.1595, 0.2308, 0.1927



Tritanomaly

26.5545, 0.3240, 0.2566

Monochromacy



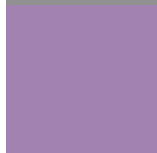
Original Color

27.1200, 0.2770, 0.1815



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.8210, 0.2998, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1200, 0.2770, 0.1815 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(191, 105, 234)` looks like.

```
.text, #text, p{  
    color:rgb(191, 105, 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(191, 105, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 105, 234) }
```

Border

The CSS property to change the border of an element to Yxy 27.1200, 0.2770, 0.1815 is called "border". The border property can be set on classes, ids or directly on the HTML element.

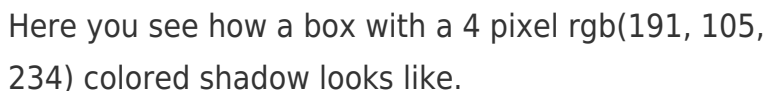
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(191, 105, 234) }
```

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

```
.border{ border-color:rgb(191, 105, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(191, 105, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 105, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 105, 234); box-shadow:4px 4px 4px 4px rgb(191, 105, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1200, 0.2770, 0.1815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 105, 234) }
```

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

```
.background{ background-color: rgb(191,  
105, 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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