

# Converting Colors

$Y_{xy}(28.0377, 0.2663, 0.1820)$

Have a look what the booklet for  
Yxy(28.0377, 0.2663, 0.1820)  
contains.

<b>Yxy(28.1095, 0.2662, 0.1825)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(28.1095, 0.2662, 0.1825)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B771EF
RGB	183, 113, 239
RGB Percent	72%, 44%, 94%
CMY	0.2826, 0.5567, 0.0628
CMYK	0.23, 0.53, 0.00, 0.06
HSL	273°, 80%, 69%
HSV	273°, 53%, 94%
XYZ	41.0014, 28.1095, 84.9138
YIQ	148.2940, 1.2740, 54.0260

# Conversions

## Conversions Part 2

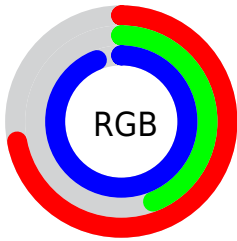
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 113, 239
Decimal	12022255
CIE <sub>Lab</sub>	59.99, 50.26, -53.08
CIE <sub>LCh</sub>	60, 73.101, 313.439
Yxy	28.1095, 0.2662, 0.1825
Android (android.graphics.Color)	4290212335 (0xFFB771EF)
YUV	148.2940, 44.7181, 30.4372
Hunter-Lab	53.0184, 45.2594, -57.8455

# Details

The Yxy color  $28.1095, 0.2662, 0.1825$  is a light color, and the websafe version is hex `9966CC`. A complement of this color would be  $71.3611, 0.3386, 0.4810$ , and the grayscale version is  $29.5546, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $53.5582, 0.3055, 0.2401$ , and  $11.2269, 0.2498, 0.1487$  is the 20% darker color. If you saturate the color by 10%, you get  $22.2052, 0.2544, 0.1559$ , and if you desaturate by 10%, it is  $35.5184, 0.2773, 0.2111$ .

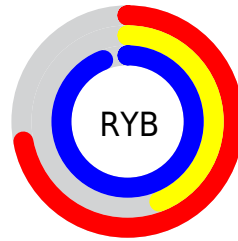
# Distribution



Red (72%)

Green (44%)

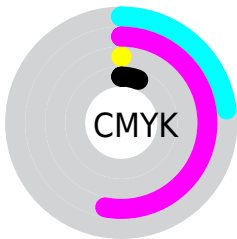
Blue (94%)



Red (72%)

Yellow (44%)

Blue (94%)

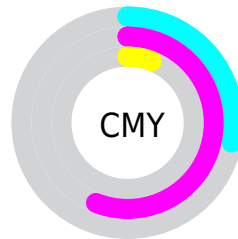


Cyan (23%)

Magenta (53%)

Yellow (0%)

Black (6%)



Cyan (28%)

Magenta (56%)


Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1095, 0.2662, 0.1825 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 28.1095, 0.2662, 0.1825 by changing the saturation by 10% instead.




 28.1095, 0.2662,  
0.1825


 28.1095, 0.2662,  
0.1825


292.9898, 0.2928,  
0.2513


 18.4082, 0.2588,  
0.1671


 56.6592, 0.2765,  
0.2062


 11.2435, 0.2491,  
0.1486


 76.2764, 0.2802,  
0.2155

 6.2308, 0.2359,  
0.1260


 99.9678, 0.2832,  
0.2236

 2.9859, 0.2171,  
0.0984

 128.1176, 0.2858,  
0.2305

 1.1244, 0.1896,  
0.0656

161.1103, 0.2879,  
0.2367

 0.0000, 0.1528,  
0.0000

199.3303, 0.2898,


 0.0000, 0.0476,


0.2421


0.0000


243.1620, 0.2914,  
0.2470

 0.0000, 0.0000,  
0.0000


 28.1095, 0.2662,  
0.1825

 28.1095, 0.2662,  
0.1825


 22.2052, 0.2544,  
0.1559


 35.5184, 0.2773,  
0.2111


 17.6872, 0.2423,  
0.1326


 44.5310, 0.2875,  
0.2404


 14.4243, 0.2305,  
0.1140

 55.2419, 0.2965,  
0.2692


 12.2570, 0.2194,  
0.1009

 67.7370, 0.3044,  
0.2967

 11.1889, 0.2120,  
0.0941

 82.0965, 0.3111,  
0.3224

 97.4793, 0.3168,  
0.3447

 99.0111, 0.3220,  
0.3444

# Harmonies

## Analogous

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



28.1095, 0.1812, 0.1638



28.1095, 0.2662, 0.1825



28.1095, 0.3868, 0.2275

# Triad

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



28.1095, 0.2662, 0.1825



28.1095, 0.5076, 0.4438



28.1095, 0.1507, 0.3305

# Complementary

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



28.1095, 0.2662, 0.1825



71.3611, 0.3386, 0.4810

# 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.



28.1095, 0.2189, 0.4741



28.1095, 0.2662, 0.1825



28.1095, 0.4232, 0.5224

# Square

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



28.1095, 0.2662, 0.1825



28.1095, 0.5431, 0.3641



28.1095, 0.3193, 0.5538



28.1095, 0.1259, 0.2250



# Rectangle

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



28.1095, 0.2662, 0.1825



28.1095, 0.4670, 0.2688



28.1095, 0.3193, 0.5538



28.1095, 0.1685, 0.3776

# Sweetspot

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



28.1106, 0.2662, 0.1825



73.3924, 0.3019, 0.2877



38.3871, 0.2263, 0.2366



15.0633, 0.3003, 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.



28.1106, 0.2662, 0.1825



25.4187, 0.2538, 0.1546



36.0325, 0.3246, 0.2082



15.6613, 0.3067, 0.3052



6.2632, 0.2135, 0.0950



0.5800, 0.2270, 0.1024



# Inverse Universe

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



33.0347, 0.3954, 0.2684



32.0748, 0.4217, 0.2594



66.5775, 0.3020, 0.4901



15.8757, 0.3223, 0.3185



10.7456, 0.5191, 0.2633

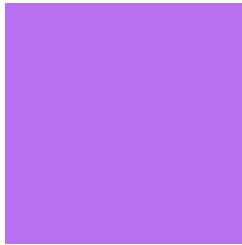


0.9137, 0.4865, 0.2454



# Previews

## White Background



This preview shows how the Yxy color 28.1095, 0.2662, 0.1825 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

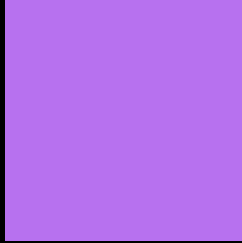
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 28.1095, 0.2662, 0.1825 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

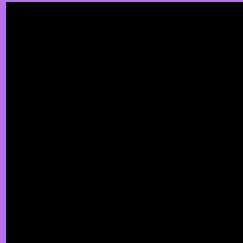
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.1095, 0.2662, 0.1825**

## Background



This preview shows how black text looks on a background with the Yxy color 28.1095, 0.2662, 0.1825.



This preview shows how white text looks on a background with the Yxy color 28.1095, 0.2662, 0.1825.

# 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

28.1095, 0.2662, 0.1825

### Protanopia

28.5451, 0.2012, 0.1796

### Deuteranopia

28.4611, 0.2114, 0.2050



## Tritanopia

27.9304, 0.3358, 0.3126

# Trichromacy



## Original Color

28.1095, 0.2662, 0.1825



## Protanomaly

27.4321, 0.2183, 0.1778



## Deuteranomaly

27.2088, 0.2263, 0.1925



## Tritanomaly

27.6179, 0.3086, 0.2567

# Monochromacy



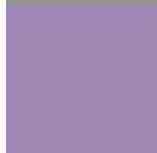
## Original Color

28.1095, 0.2662, 0.1825



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

28.2412, 0.2951, 0.2629

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.1095, 0.2662, 0.1825 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(183, 113, 239)` looks like.

```
.text, #text, p{  
    color:rgb(183, 113, 239)  
}
```

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(183, 113, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 113, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 28.1095, 0.2662, 0.1825 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(183, 113, 239) }
```

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

```
.border{ border-color:rgb(183, 113, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 113, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 113, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 113, 239);  
box-shadow:4px 4px 4px 4px rgb(183, 113,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.1095, 0.2662, 0.1825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 113, 239) }
```

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

```
.background{ background-color: rgb(183,  
113, 239) }
```

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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