

# Converting Colors

$Y_{xy}(27.2030, 0.2599, 0.1813)$

Have a look what the booklet for  
Yxy(27.2030, 0.2599, 0.1813)  
contains.

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# Color

**Yxy(27.3216, 0.2599, 0.1815)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF72EE
RGB	175, 114, 238
RGB Percent	69%, 45%, 93%
CMY	0.3138, 0.5529, 0.0667
CMYK	0.26, 0.52, 0.00, 0.07
HSL	270°, 78%, 69%
HSV	270°, 52%, 93%
XYZ	39.1233, 27.3216, 84.0873
YIQ	146.3750, -3.4480, 51.4960

# Conversions

## Conversions Part 2

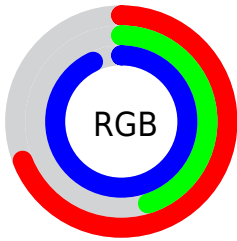
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">175, 114, 238</a>
Decimal	<a href="#">11498222</a>
CIELab	<a href="#">59.27, 47.49, -53.72</a>
CIElCh	<a href="#">59, 71.701, 311.482</a>
Yxy	<a href="#">27.3216, 0.2599, 0.1815</a>
Android (android.graphics.Color)	<a href="#">4289688302 (0xFFAF72EE)</a>
YUV	<a href="#">146.3750, 45.1711, 25.1041</a>
Hunter-Lab	<a href="#">52.2701, 42.1318, -58.7913</a>

# Details

The Yxy color **27.3216, 0.2599, 0.1815** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **71.7045, 0.3438, 0.4765**, and the grayscale version is **28.7197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.5489, 0.2991, 0.2394**, and **10.8131, 0.2415, 0.1473** is the 20% darker color. If you saturate the color by 10%, you get **21.2961, 0.2465, 0.1536**, and if you desaturate by 10%, it is **34.8709, 0.2726, 0.2112**.

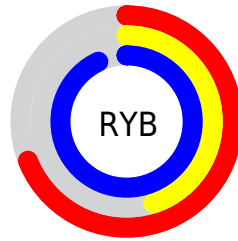
# Distribution



Red (69%)

Green (45%)

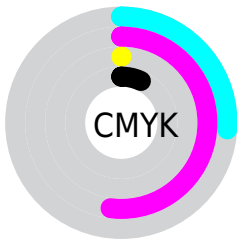
Blue (93%)



Red (69%)

Yellow (45%)

Blue (93%)

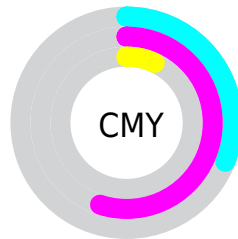


Cyan (26%)

Magenta (52%)

Yellow (0%)

Black (7%)



Cyan (31%)

Magenta (55%)


Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 27.3216, 0.2599, 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 27.3216, 0.2599, 0.1815 by changing the saturation by 10% instead.





 27.3216, 0.2599,  
0.1815


 27.3216, 0.2599,  
0.1815


289.2109, 0.2897,  
0.2512


 17.8149, 0.2518,  
0.1659


 55.3995, 0.2713,  
0.2056

 10.8172, 0.2410,  
0.1470


 74.7395, 0.2755,  
0.2150

 5.9440, 0.2265,  
0.1240


 98.1260, 0.2789,  
0.2231

 2.8111, 0.2062,  
0.0960

125.9435, 0.2818,  
0.2302

 1.0339, 0.1766,  
0.0628

158.5764, 0.2842,  
0.2364

 0.0000, 0.1368,  
0.0000

196.4090, 0.2863,


 0.0000, 0.0089,


0.2419


0.0000


239.8257, 0.2881,  
0.2468

 0.0000, 0.0000,  
0.0000


 27.3216, 0.2599,  
0.1815


 27.3216, 0.2599,  
0.1815


 21.2961, 0.2465,  
0.1536


 34.8709, 0.2726,  
0.2112


 16.6773, 0.2330,  
0.1290


 44.0430, 0.2842,  
0.2412


 13.3353, 0.2199,  
0.1091

 54.9316, 0.2945,  
0.2705


 11.1133, 0.2078,  
0.0948

 67.6226, 0.3035,  
0.2982

 9.9562, 0.1992,  
0.0871

 82.1958, 0.3113,  
0.3239

 97.5666, 0.3179,  
0.3456

 98.9521, 0.3226,  
0.3454

# Harmonies

## Analogous

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



27.3216, 0.1782, 0.1648



27.3216, 0.2599, 0.1815



27.3216, 0.3779, 0.2247

# Triad

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



27.3216, 0.2599, 0.1815



27.3216, 0.5104, 0.4381



27.3216, 0.1551, 0.3394

# Complementary

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



27.3216, 0.2599, 0.1815



71.7045, 0.3438, 0.4765

# 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.



27.3216, 0.2257, 0.4808



27.3216, 0.2599, 0.1815



27.3216, 0.4291, 0.5167

# Square

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



27.3216, 0.2599, 0.1815



27.3216, 0.5409, 0.3594



27.3216, 0.3266, 0.5524



27.3216, 0.1276, 0.2311



# Rectangle

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



27.3216, 0.2599, 0.1815



27.3216, 0.4585, 0.2651



27.3216, 0.3266, 0.5524



27.3216, 0.1738, 0.3868

# Sweetspot

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



27.3226, 0.2599, 0.1815



72.9516, 0.3001, 0.2874



41.6183, 0.2296, 0.2495



14.9583, 0.2982, 0.2817



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.



27.3226, 0.2599, 0.1815



24.2122, 0.2450, 0.1506



36.0297, 0.3166, 0.2036



15.6103, 0.3057, 0.3051



5.6321, 0.2008, 0.0880



0.5276, 0.2151, 0.0958



# Inverse Universe

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



33.3884, 0.3843, 0.2607



32.4623, 0.4082, 0.2495



66.0736, 0.3060, 0.4952



15.8929, 0.3214, 0.3171



10.9369, 0.4923, 0.2486

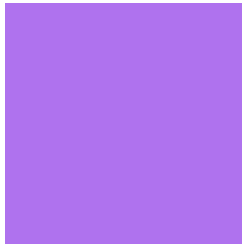


0.9300, 0.4636, 0.2328



# Previews

## White Background



This preview shows how the Yxy color 27.3216, 0.2599, 0.1815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

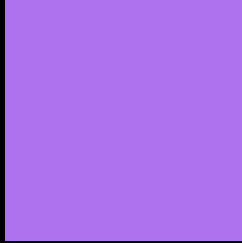
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 27.3216, 0.2599, 0.1815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

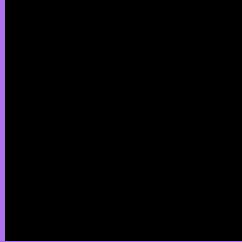
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 27.3216, 0.2599, 0.1815**

## Background



This preview shows how black text looks on a background with the Yxy color 27.3216, 0.2599, 0.1815.

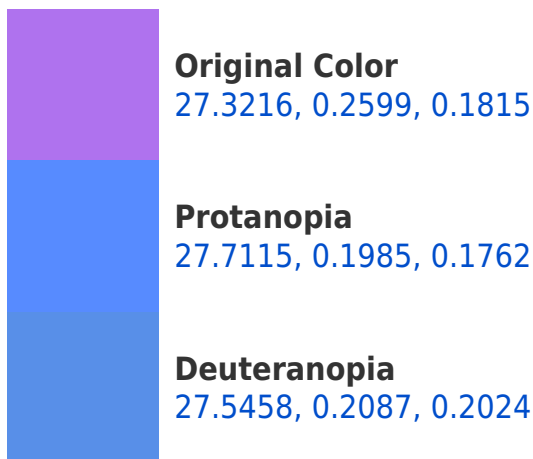


This preview shows how white text looks on a background with the Yxy color 27.3216, 0.2599, 0.1815.

# 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

27.3688, 0.3267, 0.3136

# Trichromacy



## Original Color

27.3216, 0.2599, 0.1815



## Protanomaly

26.7268, 0.2144, 0.1753



## Deuteranomaly

26.4361, 0.2226, 0.1907



## Tritanomaly

26.9951, 0.3001, 0.2563

# Monochromacy



## Original Color

27.3216, 0.2599, 0.1815



## Achromatopsia

28.7441, 0.3127, 0.3290



## Achromatomaly

27.4730, 0.2928, 0.2632

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 27.3216, 0.2599, 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(175, 114, 238)` looks like.

```
.text, #text, p{  
    color:rgb(175, 114, 238)  
}
```

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(175, 114, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 114, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 27.3216, 0.2599, 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(175, 114, 238) }
```

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

```
.border{ border-color:rgb(175, 114, 238) }
```

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

Here you see how a box with a 4 pixel rgb(175, 114, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 114, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 114, 238);  
box-shadow:4px 4px 4px 4px rgb(175, 114,  
238) }
```



# Background

The CSS property to change the background color of an element to Yxy 27.3216, 0.2599, 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(175, 114, 238) }
```

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

```
.background{ background-color: rgb(175,  
114, 238) }
```

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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