

Converting Colors

$Y_{xy}(27.1042, 0.2867, 0.1906)$

Have a look what the booklet for
Yxy(27.1042, 0.2867, 0.1906)
contains.

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Color

Yxy(27.0818, 0.2866, 0.1905)

Conversions

Conversions Part 1

Format	Color
Hex	C16AE1
RGB	193, 106, 225
RGB Percent	76%, 42%, 88%
CMY	0.2431, 0.5844, 0.1175
CMYK	0.14, 0.53, 0.00, 0.12
HSL	284°, 67%, 65%
HSV	284°, 53%, 88%
XYZ	40.7435, 27.0818, 74.3363
YIQ	145.5790, 13.6530, 55.4530

Conversions

Conversions Part 2

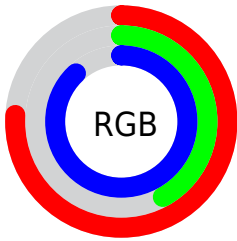
Format	Color
R_{YB}	193, 106, 225
Decimal	12675809
CIE _{Lab}	59.05, 53.51, -46.71
CIE _{LCh}	59, 71.030, 318.882
Yxy	27.0818, 0.2866, 0.1905
Android (android.graphics.Color)	4290865889 (0xFFC16AE1)
YUV	145.5790, 39.1546, 41.5882
Hunter-Lab	52.0402, 48.6817, -48.2642

Details

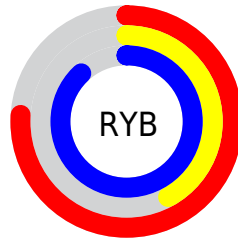
The Yxy color **27.0818, 0.2866, 0.1905** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **60.3110, 0.3240, 0.4884**, and the grayscale version is **28.3963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.0571, 0.3146, 0.2359**, and **10.7291, 0.2754, 0.1576** is the 20% darker color. If you saturate the color by 10%, you get **22.2592, 0.2796, 0.1673**, and if you desaturate by 10%, it is **33.1558, 0.2930, 0.2161**.

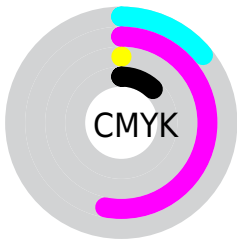
Distribution



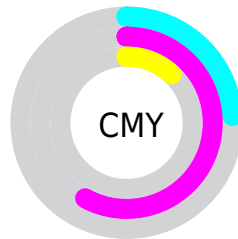
- Red (76%)
- Green (42%)
- Blue (88%)



- Red (76%)
- Yellow (42%)
- Blue (88%)



- Cyan (14%)
- Magenta (53%)
- Yellow (0%)
- Black (12%)





- Cyan (24%)
- Magenta (58%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0818, 0.2866, 0.1905 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 27.0818, 0.2866, 0.1905 by changing the saturation by 10% instead.


 27.0818, 0.2866,
0.1905


 27.0818, 0.2866,
0.1905

288.0530, 0.3030,
0.2565


 17.6347, 0.2816,
0.1754


 55.0151, 0.2933,
0.2135

 10.6880, 0.2748,
0.1571


 74.2701, 0.2956,
0.2224

 5.8575, 0.2650,
0.1343


 97.5631, 0.2974,
0.2301

 2.7586, 0.2503,
0.1061

 125.2786, 0.2989,
0.2368

 1.0070, 0.2271,
0.0714

157.8009, 0.3002,
0.2426

 0.0000, 0.1946,
0.0000

195.5145, 0.3013,


 0.0000, 0.0624,


0.2478

0.0000


238.8037, 0.3022,
0.2524


 0.0000, 0.0000,
0.0000


 27.0818, 0.2866,
0.1905


 27.0818, 0.2866,
0.1905

 22.2592, 0.2796,
0.1673


 33.1558, 0.2930,
0.2161


 18.5868, 0.2724,
0.1476


 40.5649, 0.2988,
0.2431

 15.9531, 0.2650,
0.1323

 49.3896, 0.3039,
0.2702

 14.2221, 0.2579,
0.1218

 59.7030, 0.3082,
0.2967

 13.3857, 0.2529,
0.1167

 71.5729, 0.3118,
0.3220

■ 85.0630, 0.3148,
0.3456

■ 94.6846, 0.3177,
0.3593

■ 95.7345, 0.3216,
0.3589

■ 96.8197, 0.3255,
0.3586

Harmonies

Analogous

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



27.0818, 0.1951, 0.1670



27.0818, 0.2866, 0.1905



27.0818, 0.4084, 0.2393

Triad

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



27.0818, 0.2866, 0.1905



27.0818, 0.4930, 0.4580



27.0818, 0.1454, 0.3076

Complementary

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



27.0818, 0.2866, 0.1905



60.3110, 0.3240, 0.4884

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.



27.0818, 0.2051, 0.4470



27.0818, 0.2866, 0.1905



27.0818, 0.4047, 0.5311

Square

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



27.0818, 0.2866, 0.1905



27.0818, 0.5387, 0.3782



27.0818, 0.3008, 0.5445



27.0818, 0.1275, 0.2141

Rectangle

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



27.0818, 0.2866, 0.1905



27.0818, 0.4828, 0.2819



27.0818, 0.3008, 0.5445



27.0818, 0.1603, 0.3513

Sweetspot

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



27.0829, 0.2866, 0.1905



74.6526, 0.3069, 0.2883



27.1742, 0.2204, 0.2074



15.3646, 0.3060, 0.2828



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.



27.0829, 0.2866, 0.1905



29.2551, 0.2793, 0.1661



30.4523, 0.3458, 0.2262



13.7406, 0.3095, 0.3056



7.7712, 0.2540, 0.1173



0.5819, 0.2647, 0.1232

Inverse Universe

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



28.1526, 0.4238, 0.2924



31.1498, 0.4604, 0.2878



58.5908, 0.2922, 0.4623



13.7608, 0.3250, 0.3227



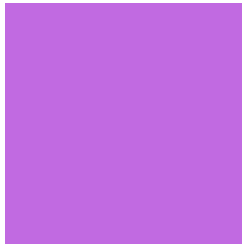
9.4321, 0.5861, 0.3002



0.6685, 0.5419, 0.2759

Previews

White Background



This preview shows how the Yxy color 27.0818, 0.2866, 0.1905 looks on a white background.

Color Contrast Check

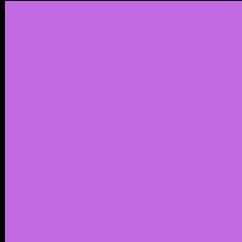
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0818, 0.2866, 0.1905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

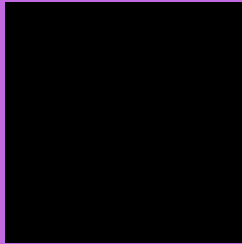
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0818, 0.2866, 0.1905

Background



This preview shows how black text looks on a background with the Yxy color 27.0818, 0.2866, 0.1905.



This preview shows how white text looks on a background with the Yxy color 27.0818, 0.2866, 0.1905.

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

27.0818, 0.2866, 0.1905

Protanopia

27.7115, 0.1985, 0.1762

Deuteranopia

27.4112, 0.2240, 0.2181



Tritanopia

26.9766, 0.3632, 0.3147

Trichromacy



Original Color

27.0818, 0.2866, 0.1905



Protanomaly

26.1460, 0.2204, 0.1772



Deuteranomaly

26.2393, 0.2415, 0.2030



Tritanomaly

26.6495, 0.3331, 0.2612

Monochromacy



Original Color

27.0818, 0.2866, 0.1905



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.1143, 0.3028, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0818, 0.2866, 0.1905 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(193, 106, 225)` looks like.

```
.text, #text, p{  
    color:rgb(193, 106, 225)  
}
```

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(193, 106, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 106, 225) }
```

Border

The CSS property to change the border of an element to Yxy 27.0818, 0.2866, 0.1905 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(193, 106, 225) }
```

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

```
.border{ border-color:rgb(193, 106, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 106, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 106, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 106, 225);  
box-shadow:4px 4px 4px 4px rgb(193, 106,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0818, 0.2866, 0.1905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 106, 225) }
```

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

```
.background{ background-color: rgb(193,  
106, 225) }
```

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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