

Converting Colors

$Y_{xy}(27.7567, 0.2706, 0.1890)$

Have a look what the booklet for
Yxy(27.7567, 0.2706, 0.1890)
contains.

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Color

Yxy(27.8059, 0.2707, 0.1888)

Conversions

Conversions Part 1

Format	Color
Hex	B672E8
RGB	182, 114, 232
RGB Percent	71%, 45%, 91%
CMY	0.2864, 0.5529, 0.0902
CMYK	0.22, 0.51, 0.00, 0.09
HSL	275°, 72%, 68%
HSV	275°, 51%, 91%
XYZ	39.8679, 27.8059, 79.6032
YIQ	147.7840, 2.6500, 51.1140

Conversions

Conversions Part 2

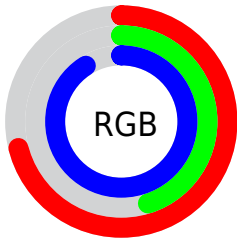
Format	Color
R _Y B	182, 114, 232
Decimal	11956968
CIE Lab	59.71, 47.93, -49.63
CIE LCh	60, 68.999, 314.002
Yxy	27.8059, 0.2707, 0.1888
Android (android.graphics.Color)	4290147048 (0xFFB672E8)
YUV	147.7840, 41.5185, 30.0074
Hunter-Lab	52.7313, 42.6765, -52.5923

Details

The Yxy color **27.8059, 0.2707, 0.1888** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **66.8210, 0.3363, 0.4760**, and the grayscale version is **29.3442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7505, 0.3047, 0.2409**, and **11.1252, 0.2544, 0.1554** is the 20% darker color. If you saturate the color by 10%, you get **22.0636, 0.2596, 0.1621**, and if you desaturate by 10%, it is **34.9615, 0.2811, 0.2173**.

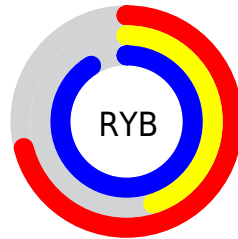
Distribution



Red (71%)

Green (45%)

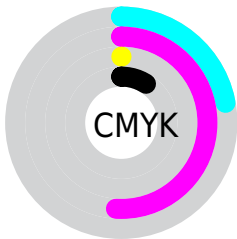
Blue (91%)



Red (71%)

Yellow (45%)

Blue (91%)

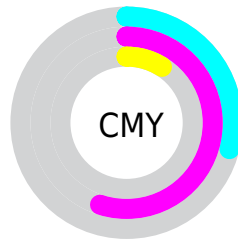


Cyan (22%)

Magenta (51%)

Yellow (0%)

Black (9%)



Cyan (29%)


Magenta (55%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8059, 0.2707, 0.1888 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 27.8059, 0.2707, 0.1888 by changing the saturation by 10% instead.


 27.8059, 0.2707,
0.1888


 27.8059, 0.2707,
0.1888


291.5383, 0.2950,
0.2554


 18.1794, 0.2639,
0.1737


 56.1744, 0.2801,
0.2119

 11.0789, 0.2548,
0.1553


 75.6852, 0.2835,
0.2210

 6.1199, 0.2423,
0.1326


 99.2595, 0.2863,
0.2287

 2.9181, 0.2243,
0.1046

127.2818, 0.2886,
0.2355

 1.0891, 0.1973,
0.0706

160.1364, 0.2906,
0.2414

 0.0000, 0.1606,
0.0000

198.2078, 0.2922,


 0.0000, 0.0297,


0.2466

0.0000


241.8803, 0.2937,
0.2512

 0.0000, 0.0000,
0.0000

 27.8059, 0.2707,
0.1888


 27.8059, 0.2707,
0.1888


 22.0636, 0.2596,
0.1621


 34.9615, 0.2811,
0.2173

 17.6273, 0.2480,
0.1385


 43.6204, 0.2906,
0.2463

 14.3790, 0.2366,
0.1193


 53.8690, 0.2989,
0.2746


 12.1767, 0.2258,
0.1053

 65.7857, 0.3061,
0.3017

 10.8634, 0.2166,
0.0967

 79.4440, 0.3122,
0.3269

 94.9127, 0.3174,
0.3501

 97.8230, 0.3235,
0.3514

 98.6057, 0.3262,
0.3513

Harmonies

Analogous

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



27.8059, 0.1879, 0.1702



27.8059, 0.2707, 0.1888



27.8059, 0.3857, 0.2329

Triad

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



27.8059, 0.2707, 0.1888



27.8059, 0.4993, 0.4432



27.8059, 0.1570, 0.3290

Complementary

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



27.8059, 0.2707, 0.1888



66.8210, 0.3363, 0.4760

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.



27.8059, 0.2226, 0.4630



27.8059, 0.2707, 0.1888



27.8059, 0.4190, 0.5160

Square

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



27.8059, 0.2707, 0.1888



27.8059, 0.5325, 0.3664



27.8059, 0.3191, 0.5407



27.8059, 0.1328, 0.2293

Rectangle

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



27.8059, 0.2707, 0.1888



27.8059, 0.4611, 0.2732



27.8059, 0.3191, 0.5407



27.8059, 0.1742, 0.3730

Sweetspot

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



27.8070, 0.2707, 0.1888



75.0297, 0.3032, 0.2905



36.3662, 0.2289, 0.2379



15.3925, 0.3017, 0.2847



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.



27.8070, 0.2707, 0.1888



27.0539, 0.2590, 0.1609



34.5827, 0.3260, 0.2137



14.2949, 0.3070, 0.3054



6.1071, 0.2182, 0.0975



0.5057, 0.2327, 0.1055

Inverse Universe

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



31.8759, 0.3940, 0.2730



33.0005, 0.4207, 0.2641



62.6899, 0.3014, 0.4808



14.4689, 0.3226, 0.3191



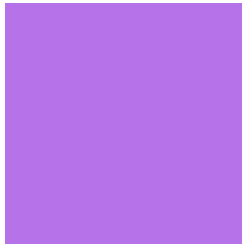
10.0417, 0.5273, 0.2679



0.7603, 0.4900, 0.2473

Previews

White Background



This preview shows how the Yxy color 27.8059, 0.2707, 0.1888 looks on a white background.

Color Contrast Check

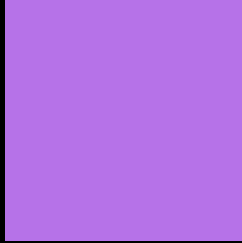
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8059, 0.2707, 0.1888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

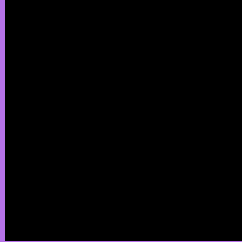
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8059, 0.2707, 0.1888

Background



This preview shows how black text looks on a background with the Yxy color 27.8059, 0.2707, 0.1888.

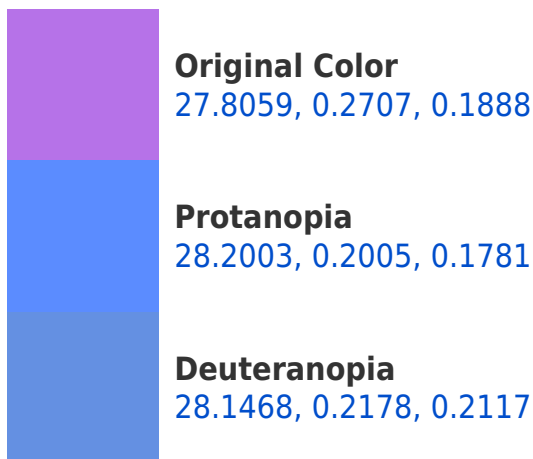


This preview shows how white text looks on a background with the Yxy color 27.8059, 0.2707, 0.1888.

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

27.7281, 0.3383, 0.3126

Trichromacy



Original Color

27.8059, 0.2707, 0.1888



Protanomaly

27.2331, 0.2186, 0.1792



Deuteranomaly

27.1223, 0.2329, 0.1999



Tritanomaly

27.2373, 0.3116, 0.2591

Monochromacy



Original Color

27.8059, 0.2707, 0.1888



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.3366, 0.2959, 0.2667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8059, 0.2707, 0.1888 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(182, 114, 232)` looks like.

```
.text, #text, p{  
    color:rgb(182, 114, 232)  
}
```

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(182, 114, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 114, 232) }
```

Border

The CSS property to change the border of an element to Yxy 27.8059, 0.2707, 0.1888 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(182, 114, 232) }
```

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

```
.border{ border-color:rgb(182, 114, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 114, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 114, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 114, 232);  
box-shadow:4px 4px 4px 4px rgb(182, 114,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8059, 0.2707, 0.1888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 114, 232) }
```

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

```
.background{ background-color: rgb(182,  
114, 232) }
```

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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