

Converting Colors

$Y_{xy}(25.1058, 0.2853, 0.2066)$

Have a look what the booklet for
Yxy(25.1058, 0.2853, 0.2066)
contains.

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Color

Yxy(25.2073, 0.2847, 0.2066)

Conversions

Conversions Part 1

Format	Color
Hex	AF70CF
RGB	175, 112, 207
RGB Percent	69%, 44%, 81%
CMY	0.3137, 0.5608, 0.1882
CMYK	0.15, 0.46, 0.00, 0.19
HSL	280°, 50%, 63%
HSV	280°, 46%, 81%
XYZ	34.7363, 25.2073, 62.0666
YIQ	141.6670, 7.0530, 42.9010

Conversions

Conversions Part 2

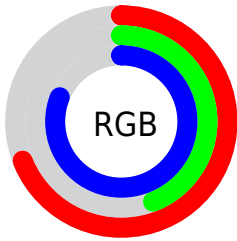
Format	Color
RYB	175, 112, 207
Decimal	11497679
CIELab	57.28, 41.63, -39.49
CIELCh	57, 57.382, 316.512
Yxy	25.2073, 0.2847, 0.2066
Android (android.graphics.Color)	4289687759 (0xFFAF70CF)
YUV	141.6670, 32.2092, 29.2330
Hunter-Lab	50.2069, 35.6356, -38.1505

Details

The Yxy color **25.2073, 0.2847, 0.2066** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.7254, 0.3285, 0.4625**, and the grayscale version is **26.7812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2861, 0.2983, 0.2362**, and **9.7053, 0.2721, 0.1745** is the 20% darker color. If you saturate the color by 10%, you get **20.3673, 0.2763, 0.1804**, and if you desaturate by 10%, it is **31.1409, 0.2924, 0.2341**.

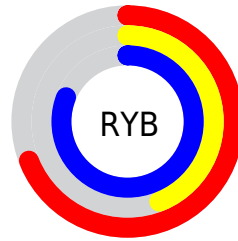
Distribution



Red (69%)

Green (44%)

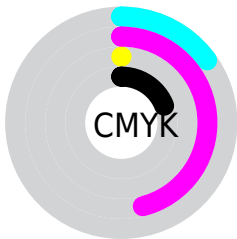
Blue (81%)



Red (69%)

Yellow (44%)

Blue (81%)

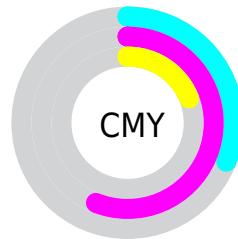


Cyan (15%)

Magenta (46%)

Yellow (0%)

Black (19%)



Cyan (31%)


Magenta (56%)

Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2073, 0.2847, 0.2066 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 25.2073, 0.2847, 0.2066 by changing the saturation by 10% instead.


 25.2073, 0.2847,
0.2066


 25.2073, 0.2847,
0.2066


278.8687, 0.3017,
0.2671


 16.2316, 0.2796,
0.1921


 51.9933, 0.2915,
0.2282

 9.6882, 0.2725,
0.1739


 70.5724, 0.2939,
0.2365

 5.1927, 0.2622,
0.1508


 93.1214, 0.2958,
0.2435

 2.3608, 0.2465,
0.1208

 120.0247, 0.2974,
0.2495

 0.8056, 0.2208,
0.0818

151.6667, 0.2987,
0.2548

 0.0000, 0.1809,
0.0000

188.4317, 0.2999,

 0.0000, 0.0000,

0.2594

0.0000

230.7043, 0.3008,
0.2635

■ 25.2073, 0.2847,
0.2066

■ 25.2073, 0.2847,
0.2066

■ 20.3673, 0.2763,
0.1804

■ 31.1409, 0.2924,
0.2341

■ 16.5444, 0.2673,
0.1568

■ 38.2317, 0.2992,
0.2618

■ 13.6565, 0.2582,
0.1370

■ 46.5419, 0.3051,
0.2888

■ 11.6075, 0.2491,
0.1217

■ 56.1284, 0.3101,
0.3146

■ 10.2776, 0.2404,
0.1113

■ 67.0442, 0.3143,
0.3387

■ 9.8472, 0.2369,
0.1079

■ 79.3396, 0.3178,
0.3608

■ 91.8418, 0.3208,
0.3792

■ 92.9776, 0.3253,
0.3785

■ 94.1595, 0.3298,
0.3778

Harmonies

Analogous

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



25.2073, 0.2076, 0.1878



25.2073, 0.2847, 0.2066



25.2073, 0.3851, 0.2487

Triad

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



25.2073, 0.2847, 0.2066



25.2073, 0.4751, 0.4413



25.2073, 0.1725, 0.3223

Complementary

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



25.2073, 0.2847, 0.2066



51.7254, 0.3285, 0.4625

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.



25.2073, 0.2298, 0.4332



25.2073, 0.2847, 0.2066



25.2073, 0.4040, 0.4984

Square

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



25.2073, 0.2847, 0.2066



25.2073, 0.5047, 0.3729



25.2073, 0.3148, 0.5062



25.2073, 0.1518, 0.2383

Rectangle

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



25.2073, 0.2847, 0.2066



25.2073, 0.4477, 0.2863



25.2073, 0.3148, 0.5062



25.2073, 0.1876, 0.3586

Sweetspot

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



25.2083, 0.2847, 0.2066



77.0901, 0.3060, 0.2934



28.2778, 0.2354, 0.2368



15.8248, 0.3049, 0.2876



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.



25.2083, 0.2847, 0.2066



32.7999, 0.2765, 0.1810



28.6936, 0.3330, 0.2323



11.8014, 0.3085, 0.3057



6.2578, 0.2381, 0.1085



0.3925, 0.2536, 0.1171

Inverse Universe

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



26.8680, 0.3928, 0.2887



36.0727, 0.4200, 0.2813



49.5840, 0.2979, 0.4506



11.8730, 0.3238, 0.3212



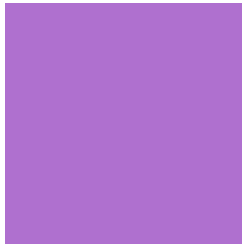
8.6501, 0.5610, 0.2864



0.4983, 0.5091, 0.2578

Previews

White Background



This preview shows how the Yxy color 25.2073, 0.2847, 0.2066 looks on a white background.

Color Contrast Check

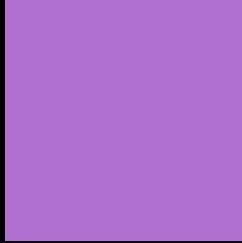
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2073, 0.2847, 0.2066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

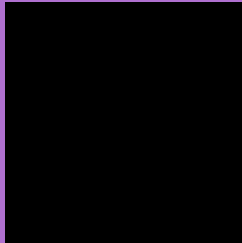
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2073, 0.2847, 0.2066

Background



This preview shows how black text looks on a background with the Yxy color 25.2073, 0.2847, 0.2066.



This preview shows how white text looks on a background with the Yxy color 25.2073, 0.2847, 0.2066.

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

25.2073, 0.2847, 0.2066

Protanopia

25.6407, 0.2151, 0.1977

Deuteranopia

25.5351, 0.2354, 0.2298



Tritanopia

25.1658, 0.3442, 0.3137

Trichromacy



Original Color

25.2073, 0.2847, 0.2066



Protanomaly

24.9352, 0.2347, 0.1990



Deuteranomaly

24.8663, 0.2501, 0.2186



Tritanomaly

24.8882, 0.3213, 0.2691

Monochromacy



Original Color

25.2073, 0.2847, 0.2066



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.8558, 0.3021, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2073, 0.2847, 0.2066 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, 112, 207)` looks like.

```
.text, #text, p{  
    color:rgb(175, 112, 207)  
}
```

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, 112, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 112, 207) }
```

Border

The CSS property to change the border of an element to Yxy 25.2073, 0.2847, 0.2066 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, 112, 207) }
```

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

```
.border{ border-color:rgb(175, 112, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 112, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 112, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 112, 207);  
box-shadow:4px 4px 4px 4px rgb(175, 112,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2073, 0.2847, 0.2066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 112, 207) }
```

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

```
.background{ background-color: rgb(175,  
112, 207) }
```

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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