

Converting Colors

$Y_{xy}(26.7457, 0.2745, 0.1926)$

Have a look what the booklet for
Yxy(26.7457, 0.2745, 0.1926)
contains.

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Color

Yxy(26.6735, 0.2751, 0.1927)

Conversions

Conversions Part 1

Format	Color
Hex	B470E0
RGB	180, 112, 224
RGB Percent	71%, 44%, 88%
CMY	0.2939, 0.5609, 0.1215
CMYK	0.20, 0.50, 0.00, 0.12
HSL	276°, 64%, 66%
HSV	276°, 50%, 88%
XYZ	38.0793, 26.6735, 73.6670
YIQ	145.1000, 4.5760, 49.2480

Conversions

Conversions Part 2

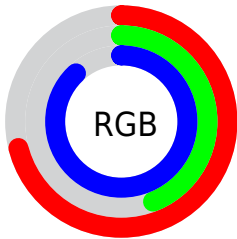
Format	Color
RYB	180, 112, 224
Decimal	11825376
CIELab	58.67, 46.74, -46.83
CIELCh	59, 66.168, 314.943
Yxy	26.6735, 0.2751, 0.1927
Android (android.graphics.Color)	4290015456 (0xFFB470E0)
YUV	145.1000, 38.8977, 30.6073
Hunter-Lab	51.6464, 41.2283, -48.4172

Details

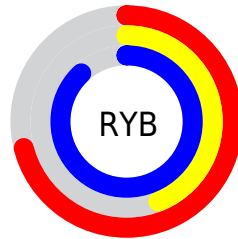
The Yxy color **26.6735, 0.2751, 0.1927** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **61.5464, 0.3336, 0.4744**, and the grayscale version is **28.1961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.6696, 0.3031, 0.2385**, and **10.4497, 0.2596, 0.1591** is the 20% darker color. If you saturate the color by 10%, you get **21.3101, 0.2649, 0.1664**, and if you desaturate by 10%, it is **33.3353, 0.2846, 0.2208**.

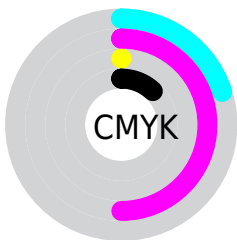
Distribution



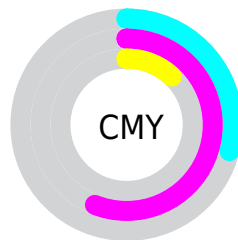
- Red (71%)
- Green (44%)
- Blue (88%)



- Red (71%)
- Yellow (44%)
- Blue (88%)



- Cyan (20%)
- Magenta (50%)
- Yellow (0%)
- Black (12%)




- Cyan (29%)
- Magenta (56%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.6735, 0.2751, 0.1927 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 26.6735, 0.2751, 0.1927 by changing the saturation by 10% instead.


 26.6735, 0.2751,
0.1927


 26.6735, 0.2751,
0.1927


286.0728, 0.2972,
0.2582


 17.3282, 0.2687,
0.1776


 54.3595, 0.2838,
0.2157


 10.4687, 0.2601,
0.1590


 73.4689, 0.2869,
0.2246

 5.7108, 0.2481,
0.1360


 96.6019, 0.2894,
0.2322

 2.6701, 0.2305,
0.1072

 124.1427, 0.2915,
0.2388

 0.9620, 0.2035,
0.0718

156.4758, 0.2933,
0.2446

 0.0000, 0.1653,
0.0000

193.9856, 0.2948,

 0.0000, 0.0000,

0.2497

0.0000

237.0565, 0.2961,
0.2542

■ 26.6735, 0.2751,
0.1927

■ 26.6735, 0.2751,
0.1927

■ 21.3101, 0.2649,
0.1664

■ 33.3353, 0.2846,
0.2208

■ 17.1478, 0.2542,
0.1431

■ 41.3768, 0.2932,
0.2493

■ 14.0801, 0.2436,
0.1240


■ 50.8764, 0.3007,
0.2773


■ 11.9797, 0.2333,
0.1100

■ 61.9054, 0.3072,
0.3040

■ 10.6251, 0.2238,
0.1006

■ 74.5307, 0.3127,
0.3290

 88.8147, 0.3173,
0.3520

 95.7048, 0.3223,
0.3600

 97.2943, 0.3279,
0.3594

 98.1622, 0.3309,
0.3591

Harmonies

Analogous

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



26.6735, 0.1927, 0.1736



26.6735, 0.2751, 0.1927



26.6735, 0.3876, 0.2368

Triad

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



26.6735, 0.2751, 0.1927



26.6735, 0.4938, 0.4444



26.6735, 0.1593, 0.3256

Complementary

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



26.6735, 0.2751, 0.1927



61.5464, 0.3336, 0.4744

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.



26.6735, 0.2227, 0.4550



26.6735, 0.2751, 0.1927



26.6735, 0.4148, 0.5138

Square

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



26.6735, 0.2751, 0.1927



26.6735, 0.5272, 0.3690



26.6735, 0.3168, 0.5336



26.6735, 0.1363, 0.2299

Rectangle

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



26.6735, 0.2751, 0.1927



26.6735, 0.4601, 0.2768



26.6735, 0.3168, 0.5336



26.6735, 0.1758, 0.3679

Sweetspot

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



26.6746, 0.2751, 0.1927



75.2405, 0.3040, 0.2906



32.8684, 0.2294, 0.2344



15.4433, 0.3026, 0.2848



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.



26.6746, 0.2751, 0.1927



28.3196, 0.2644, 0.1653



32.2262, 0.3296, 0.2189



13.6532, 0.3076, 0.3054



6.2525, 0.2252, 0.1014



0.4848, 0.2397, 0.1094

Inverse Universe

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



29.8303, 0.3964, 0.2780



33.3728, 0.4243, 0.2696



58.1930, 0.2997, 0.4723



13.7892, 0.3231, 0.3198



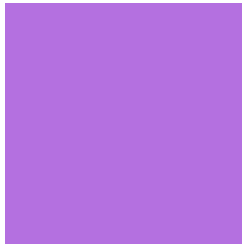
9.6545, 0.5400, 0.2749



0.6864, 0.4989, 0.2522

Previews

White Background



This preview shows how the Yxy color 26.6735, 0.2751, 0.1927 looks on a white background.

Color Contrast Check

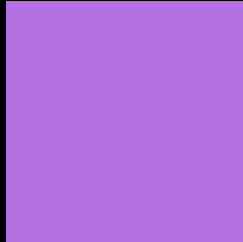
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6735, 0.2751, 0.1927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

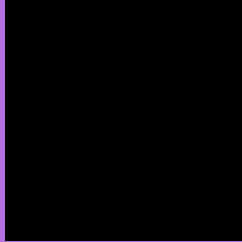
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6735, 0.2751, 0.1927

Background



This preview shows how black text looks on a background with the Yxy color 26.6735, 0.2751, 0.1927.



This preview shows how white text looks on a background with the Yxy color 26.6735, 0.2751, 0.1927.

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

26.6735, 0.2751, 0.1927

Protanopia

27.1784, 0.2023, 0.1812

Deuteranopia

26.9365, 0.2219, 0.2161



Tritanopia

26.6710, 0.3422, 0.3140

Trichromacy



Original Color

26.6735, 0.2751, 0.1927



Protanomaly

26.1435, 0.2213, 0.1831



Deuteranomaly

25.8784, 0.2369, 0.2036



Tritanomaly

26.4164, 0.3158, 0.2624

Monochromacy



Original Color

26.6735, 0.2751, 0.1927



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

27.1002, 0.2985, 0.2685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6735, 0.2751, 0.1927 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(180, 112, 224)` looks like.

```
.text, #text, p{  
    color:rgb(180, 112, 224)  
}
```

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(180, 112, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 112, 224) }
```

Border

The CSS property to change the border of an element to Yxy 26.6735, 0.2751, 0.1927 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(180, 112, 224) }
```

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

```
.border{ border-color:rgb(180, 112, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 112, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 112, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 112, 224);  
box-shadow:4px 4px 4px 4px rgb(180, 112,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6735, 0.2751, 0.1927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 112, 224) }
```

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

```
.background{ background-color: rgb(180,  
112, 224) }
```

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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