

Converting Colors

$Y_{xy}(26.2410, 0.2813, 0.1939)$

Have a look what the booklet for
Yxy(26.2410, 0.2813, 0.1939)
contains.

Yxy(26.1719, 0.2812, 0.1941)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.1719, 0.2812, 0.1941)

Conversions

Conversions Part 1

Format	Color
Hex	B76DDC
RGB	183, 109, 220
RGB Percent	72%, 43%, 86%
CMY	0.2823, 0.5726, 0.1373
CMYK	0.17, 0.50, 0.00, 0.14
HSL	280°, 61%, 65%
HSV	280°, 50%, 86%
XYZ	37.9162, 26.1719, 70.7491
YIQ	143.7800, 8.4730, 50.2090

Conversions

Conversions Part 2

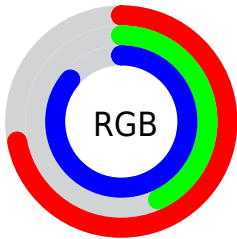
Format	Color
R _Y B	183, 109, 220
Decimal	12021212
CIE _{Lab}	58.20, 48.24, -45.30
CIE _{LCh}	58, 66.177, 316.805
Y _{xy}	26.1719, 0.2812, 0.1941
Android (android.graphics.Color)	4290211292 (0xFFB76DDC)
YUV	143.7800, 37.5765, 34.3959
Hunter-Lab	51.1585, 42.7683, -46.1835

Details

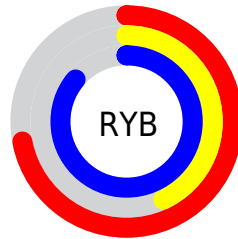
The Yxy color **26.1719, 0.2812, 0.1941** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **58.3873, 0.3289, 0.4778**, and the grayscale version is **27.6414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1152, 0.3056, 0.2362**, and **10.1186, 0.2676, 0.1601** is the 20% darker color. If you saturate the color by 10%, you get **21.1772, 0.2726, 0.1690**, and if you desaturate by 10%, it is **32.3897, 0.2892, 0.2212**.

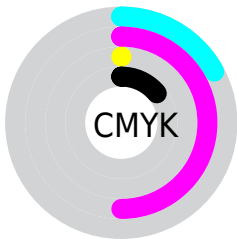
Distribution



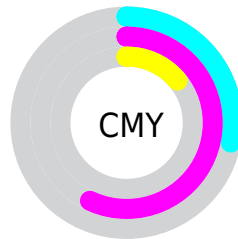
- Red (72%)
- Green (43%)
- Blue (86%)



- Red (72%)
- Yellow (43%)
- Blue (86%)



- Cyan (17%)
- Magenta (50%)
- Yellow (0%)
- Black (14%)





- Cyan (28%)
- Magenta (57%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1719, 0.2812, 0.1941 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 26.1719, 0.2812, 0.1941 by changing the saturation by 10% instead.


 26.1719, 0.2812,
0.1941


 26.1719, 0.2812,
0.1941


283.6249, 0.3003,
0.2592


 16.9523, 0.2755,
0.1790


 53.5521, 0.2888,
0.2170


 10.2005, 0.2678,
0.1604


 72.4815, 0.2915,
0.2258

 5.5321, 0.2568,
0.1373


 95.4163, 0.2937,
0.2334

 2.5627, 0.2405,
0.1082

 122.7409, 0.2954,
0.2399

 0.9080, 0.2147,
0.0722

154.8397, 0.2969,
0.2457

 0.0000, 0.1774,
0.0000

192.0970, 0.2982,

 0.0000, 0.0000,

0.2507

0.0000

234.8973, 0.2993,
0.2552

■ 26.1719, 0.2812,
0.1941

■ 26.1719, 0.2812,
0.1941

■ 21.1772, 0.2726,
0.1690

■ 32.3897, 0.2892,
0.2212

■ 17.3124, 0.2636,
0.1470

■ 39.9083, 0.2963,
0.2489

■ 14.4757, 0.2545,
0.1293

■ 48.8023, 0.3026,
0.2765

■ 12.5449, 0.2456,
0.1165

■ 59.1399, 0.3080,
0.3030

■ 11.3433, 0.2375,
0.1082

■ 70.9846, 0.3125,
0.3279

■ 84.3961, 0.3163,
0.3510

■ 94.2299, 0.3200,
0.3646

■ 95.4978, 0.3247,
0.3641

■ 96.8176, 0.3294,
0.3636

Harmonies

Analogous

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



26.1719, 0.1961, 0.1733



26.1719, 0.2812, 0.1941



26.1719, 0.3953, 0.2398

Triad

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



26.1719, 0.2812, 0.1941



26.1719, 0.4907, 0.4495



26.1719, 0.1559, 0.3180

Complementary

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



26.1719, 0.2812, 0.1941



58.3873, 0.3289, 0.4778

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.



26.1719, 0.2170, 0.4483



26.1719, 0.2812, 0.1941



26.1719, 0.4093, 0.5181

Square

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



26.1719, 0.2812, 0.1941



26.1719, 0.5282, 0.3735



26.1719, 0.3103, 0.5332



26.1719, 0.1352, 0.2250

Rectangle

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



26.1719, 0.2812, 0.1941



26.1719, 0.4669, 0.2805



26.1719, 0.3103, 0.5332



26.1719, 0.1716, 0.3599

Sweetspot

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



26.1730, 0.2812, 0.1941



75.6405, 0.3056, 0.2907



28.9729, 0.2266, 0.2225



15.5399, 0.3044, 0.2851



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.



26.1730, 0.2812, 0.1941



28.9533, 0.2716, 0.1665



30.3894, 0.3376, 0.2251



13.0464, 0.3085, 0.3056



6.7218, 0.2388, 0.1089



0.4818, 0.2524, 0.1164

Inverse Universe

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



28.2236, 0.4061, 0.2854



32.5118, 0.4396, 0.2783



55.9723, 0.2958, 0.4630



13.1227, 0.3240, 0.3212



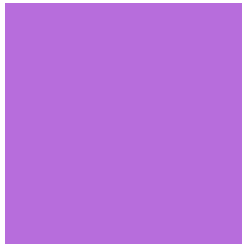
9.2328, 0.5630, 0.2875



0.6138, 0.5169, 0.2621

Previews

White Background



This preview shows how the Yxy color 26.1719, 0.2812, 0.1941 looks on a white background.

Color Contrast Check

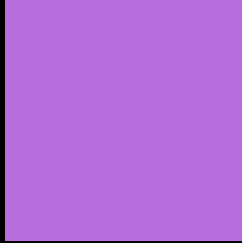
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1719, 0.2812, 0.1941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

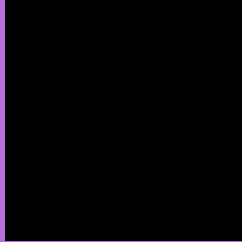
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.1719, 0.2812, 0.1941

Background



This preview shows how black text looks on a background with the Yxy color 26.1719, 0.2812, 0.1941.

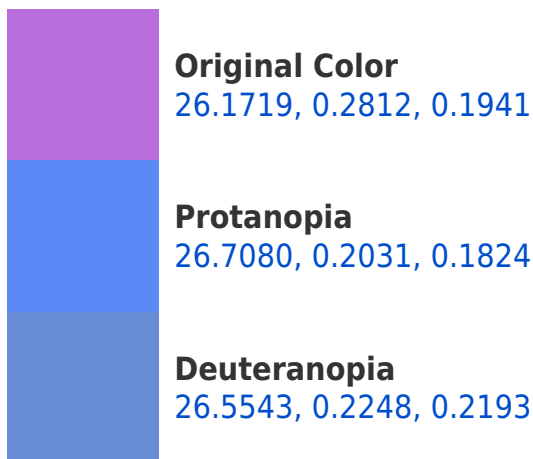


This preview shows how white text looks on a background with the Yxy color 26.1719, 0.2812, 0.1941.

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

26.1106, 0.3499, 0.3141

Trichromacy



Original Color

26.1719, 0.2812, 0.1941



Protanomaly

25.5200, 0.2230, 0.1833



Deuteranomaly

25.6449, 0.2415, 0.2070



Tritanomaly

25.8602, 0.3238, 0.2641

Monochromacy



Original Color

26.1719, 0.2812, 0.1941



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.4803, 0.3005, 0.2682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1719, 0.2812, 0.1941 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(183, 109, 220)` looks like.

```
.text, #text, p{  
    color:rgb(183, 109, 220)  
}
```

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(183, 109, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 109, 220) }
```

Border

The CSS property to change the border of an element to Yxy 26.1719, 0.2812, 0.1941 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(183, 109, 220) }
```

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

```
.border{ border-color:rgb(183, 109, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 109, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 109, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 109, 220);  
box-shadow:4px 4px 4px 4px rgb(183, 109,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1719, 0.2812, 0.1941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 109, 220) }
```

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

```
.background{ background-color: rgb(183,  
109, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor