

Converting Colors

$Y_{xy}(26.6420, 0.2476, 0.1613)$

Have a look what the booklet for
Yxy(26.6420, 0.2476, 0.1613)
contains.

Yxy(26.6420, 0.2476, 0.1613)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.6420, 0.2476, 0.1613)

Conversions

Conversions Part 1

Format	Color
Hex	AF6AFF
RGB	175, 106, 255
RGB Percent	69%, 42%, 100%
CMY	0.3135, 0.5845, 0.0000
CMYK	0.31, 0.58, 0.00, 0.00
HSL	268°, 100%, 71%
HSV	268°, 58%, 100%
XYZ	40.8962, 26.6420, 97.6323
YIQ	143.6170, -6.7050, 60.9670

Conversions

Conversions Part 2

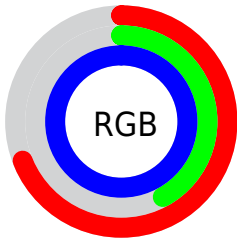
Format	Color
R _Y B	175, 106, 255
Decimal	11496191
CIE Lab	58.64, 55.74, -64.17
CIE LCh	59, 84.997, 310.981
Yxy	26.6420, 0.2476, 0.1613
Android (android.graphics.Color)	4289686271 (0xFFAF6AFF)
YUV	143.6170, 54.9118, 27.5229
Hunter-Lab	51.6159, 51.1010, -76.0169

Details

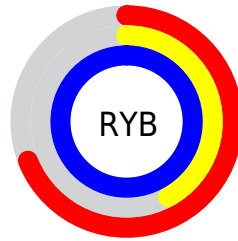
The Yxy color **26.6420, 0.2476, 0.1613** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **82.9885, 0.3485, 0.4936**, and the grayscale version is **27.5025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8540, 0.2999, 0.2316**, and **10.4515, 0.2256, 0.1259** is the 20% darker color. If you saturate the color by 10%, you get **20.6408, 0.2334, 0.1348**, and if you desaturate by 10%, it is **34.3615, 0.2615, 0.1906**.

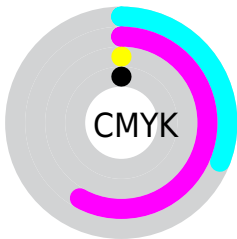
Distribution



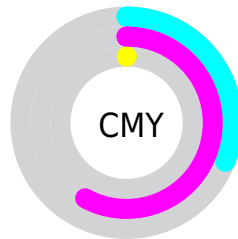
- Red (69%)
- Green (42%)
- Blue (100%)



- Red (69%)
- Yellow (42%)
- Blue (100%)



- Cyan (31%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.6420, 0.2476, 0.1613 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 26.6420, 0.2476, 0.1613 by changing the saturation by 10% instead.


 26.6420, 0.2476,
0.1613


 26.6420, 0.2476,
0.1613


285.9195, 0.2840,
0.2381


 17.3045, 0.2380,
0.1449


 54.3089, 0.2614,
0.1873


 10.4519, 0.2255,
0.1255


 73.4070, 0.2664,
0.1976

 5.6996, 0.2091,
0.1025


 96.5276, 0.2706,
0.2066

 2.6633, 0.1868,
0.0759

 124.0549, 0.2741,
0.2145

 0.9586, 0.1560,
0.0463

156.3733, 0.2771,
0.2214

 0.0000, 0.1160,
0.0000

193.8673, 0.2797,


 0.0000, 0.0313,


0.2276

0.0000


236.9213, 0.2820,
0.2332


 0.0000, 0.0000,
0.0000


 26.6420, 0.2476,
0.1613


 26.6420, 0.2476,
0.1613


 20.6408, 0.2334,
0.1348


 34.3615, 0.2615,
0.1906


 16.2157, 0.2195,
0.1127


 43.9352, 0.2746,
0.2211


 13.1906, 0.2065,
0.0962

 55.4784, 0.2865,
0.2514

 11.3226, 0.1952,
0.0854

 69.0986, 0.2970,
0.2805

 11.0856, 0.1935,
0.0840

 84.8951, 0.3061,
0.3077

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



26.6420, 0.1578, 0.1433



26.6420, 0.2476, 0.1613



26.6420, 0.3858, 0.2079

Triad

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



26.6420, 0.2476, 0.1613



26.6420, 0.5352, 0.4395



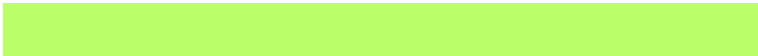
26.6420, 0.1314, 0.3402

Complementary

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



26.6420, 0.2476, 0.1613



82.9885, 0.3485, 0.4936

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.



26.6420, 0.2082, 0.5188



26.6420, 0.2476, 0.1613



26.6420, 0.4373, 0.5372

Square

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



26.6420, 0.2476, 0.1613



26.6420, 0.5778, 0.3523



26.6420, 0.3208, 0.5973



26.6420, 0.1039, 0.2131

Rectangle

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



26.6420, 0.2476, 0.1613



26.6420, 0.4834, 0.2517



26.6420, 0.3208, 0.5973



26.6420, 0.1512, 0.3992

Sweetspot

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



26.6401, 0.2476, 0.1613



69.7553, 0.2974, 0.2818



46.2201, 0.2214, 0.2439



14.0290, 0.2945, 0.2735



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.



26.6401, 0.2476, 0.1613



19.8536, 0.2312, 0.1311



37.3946, 0.3123, 0.1891



17.7903, 0.3052, 0.3049



5.8792, 0.1952, 0.0849



0.6366, 0.2077, 0.0918

Inverse Universe

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



35.1023, 0.3929, 0.2496



29.4866, 0.4174, 0.2398



76.0982, 0.3071, 0.5168



18.1500, 0.3210, 0.3163



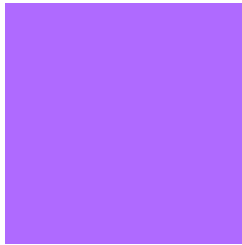
12.0801, 0.4810, 0.2423



1.1983, 0.4576, 0.2295

Previews

White Background



This preview shows how the Yxy color 26.6420, 0.2476, 0.1613 looks on a white background.

Color Contrast Check

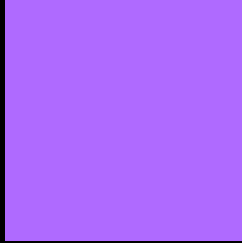
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.6420, 0.2476, 0.1613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

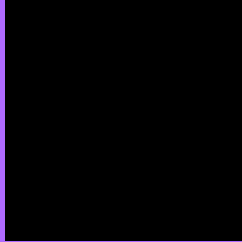
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.6420, 0.2476, 0.1613

Background



This preview shows how black text looks on a background with the Yxy color 26.6420, 0.2476, 0.1613.



This preview shows how white text looks on a background with the Yxy color 26.6420, 0.2476, 0.1613.

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

26.6420, 0.2476, 0.1613

Protanopia

26.9052, 0.1959, 0.1729

Deuteranopia

27.0641, 0.1906, 0.1844



Tritanopia

26.5537, 0.3223, 0.3133

Trichromacy



Original Color

26.6420, 0.2476, 0.1613



Protanomaly

25.8547, 0.2091, 0.1653



Deuteranomaly

25.3542, 0.2015, 0.1700



Tritanomaly

25.8938, 0.2912, 0.2424

Monochromacy



Original Color

26.6420, 0.2476, 0.1613



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.3945, 0.2861, 0.2504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.6420, 0.2476, 0.1613 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, 106, 255)` looks like.

```
.text, #text, p{  
  color:rgb(175, 106, 255)  
}
```

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, 106, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 106, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.6420, 0.2476, 0.1613 is called "border". The border property can be set on classes, ids or directly on the HTML element.

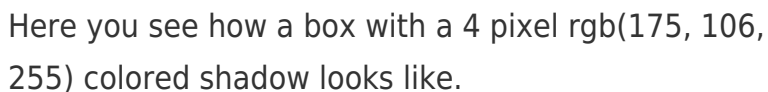
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 106, 255) }
```

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

```
.border{ border-color:rgb(175, 106, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 106, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 106, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 106, 255);  
box-shadow:4px 4px 4px 4px rgb(175, 106,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.6420, 0.2476, 0.1613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 106, 255) }
```

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

```
.background{ background-color: rgb(175,  
106, 255) }
```

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