

Converting Colors

$Y_{xy}(26.8388, 0.2514, 0.1727)$

Have a look what the booklet for
Yxy(26.8388, 0.2514, 0.1727)
contains.

Yxy(26.8388, 0.2514, 0.1727)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.8388, 0.2514, 0.1727)

Conversions

Conversions Part 1

Format	Color
Hex	AB70F5
RGB	171, 112, 245
RGB Percent	67%, 44%, 96%
CMY	0.3294, 0.5608, 0.0393
CMYK	0.30, 0.54, 0.00, 0.04
HSL	267°, 87%, 70%
HSV	267°, 54%, 96%
XYZ	39.0693, 26.8388, 89.4989
YIQ	144.8030, -7.5290, 53.8710

Conversions

Conversions Part 2

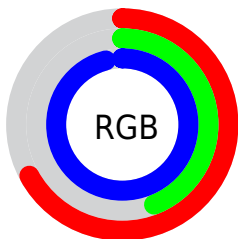
Format	Color
R _Y B	171, 112, 245
Decimal	11235573
CIE Lab	58.82, 49.24, -58.34
CIE LCh	59, 76.345, 310.168
Yxy	26.8388, 0.2514, 0.1727
Android (android.graphics.Color)	4289425653 (0xFFAB70F5)
YUV	144.8030, 49.3971, 22.9748
Hunter-Lab	51.8062, 43.9540, -66.1635

Details

The Yxy color **26.8388, 0.2514, 0.1727** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **76.9063, 0.3490, 0.4808**, and the grayscale version is **28.0307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7883, 0.2959, 0.2355**, and **10.5457, 0.2299, 0.1371** is the 20% darker color. If you saturate the color by 10%, you get **20.6965, 0.2368, 0.1445**, and if you desaturate by 10%, it is **34.6113, 0.2655, 0.2029**.

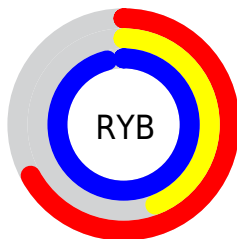
Distribution



Red (67%)

Green (44%)

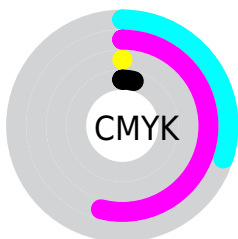
Blue (96%)



Red (67%)

Yellow (44%)

Blue (96%)

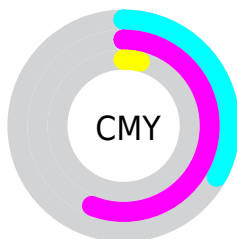


Cyan (30%)

Magenta (54%)

Yellow (0%)

Black (4%)



Cyan (33%)


Magenta (56%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.8388, 0.2514, 0.1727 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 26.8388, 0.2514, 0.1727 by changing the saturation by 10% instead.

 26.8388, 0.2514,
0.1727


 26.8388, 0.2514,
0.1727


286.8758, 0.2856,
0.2458

 17.4522, 0.2422,
0.1566


 54.6251, 0.2644,
0.1977


 10.5574, 0.2303,
0.1373


 73.7936, 0.2691,
0.2076

 5.7701, 0.2143,
0.1141


 96.9914, 0.2731,
0.2162

 2.7058, 0.1924,
0.0864

 124.6031, 0.2764,
0.2236

 0.9801, 0.1615,
0.0546

157.0130, 0.2792,
0.2302

 0.0000, 0.1205,
0.0000

194.6055, 0.2817,

 0.0000, 0.0065,

0.2360

0.0000


237.7649, 0.2838,
0.2411


 0.0000, 0.0000,
0.0000


 26.8388, 0.2514,
0.1727


 26.8388, 0.2514,
0.1727

 20.6965, 0.2368,
0.1445


 34.6113, 0.2655,
0.2029

 16.0542, 0.2223,
0.1201


 44.1242, 0.2785,
0.2337


 12.7660, 0.2086,
0.1008

 55.4812, 0.2902,
0.2637

 10.6528, 0.1964,
0.0875

 68.7770, 0.3005,
0.2921

 9.8239, 0.1901,
0.0821

 84.0996, 0.3093,
0.3184

98.9539, 0.3171,
0.3386

99.3720, 0.3185,
0.3386

Harmonies

Analogous

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



26.8388, 0.1682, 0.1565



26.8388, 0.2514, 0.1727



26.8388, 0.3758, 0.2163

Triad

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



26.8388, 0.2514, 0.1727



26.8388, 0.5226, 0.4361



26.8388, 0.1481, 0.3453

Complementary

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



26.8388, 0.2514, 0.1727



76.9063, 0.3490, 0.4808

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.



26.8388, 0.2230, 0.4994



26.8388, 0.2514, 0.1727



26.8388, 0.4366, 0.5221

Square

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



26.8388, 0.2514, 0.1727



26.8388, 0.5545, 0.3543



26.8388, 0.3290, 0.5691



26.8388, 0.1189, 0.2276

Rectangle

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



26.8388, 0.2514, 0.1727



26.8388, 0.4632, 0.2577



26.8388, 0.3290, 0.5691



26.8388, 0.1679, 0.3973

Sweetspot

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



26.8398, 0.2514, 0.1727



72.6208, 0.2988, 0.2873



45.7317, 0.2281, 0.2544



14.8796, 0.2967, 0.2815



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.



26.8398, 0.2514, 0.1727



22.1707, 0.2355, 0.1423



36.0353, 0.3105, 0.1966



16.2865, 0.3049, 0.3050



5.3719, 0.1918, 0.0830



0.5320, 0.2057, 0.0907

Inverse Universe

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



34.5445, 0.3812, 0.2518



31.8016, 0.4022, 0.2403



70.5242, 0.3089, 0.5015



16.6369, 0.3206, 0.3159



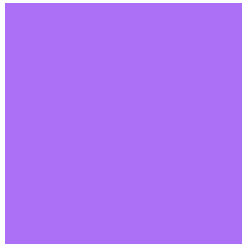
11.4485, 0.4722, 0.2375



1.0269, 0.4480, 0.2242

Previews

White Background



This preview shows how the Yxy color 26.8388, 0.2514, 0.1727 looks on a white background.

Color Contrast Check

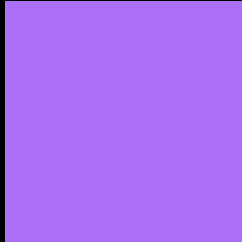
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.8388, 0.2514, 0.1727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

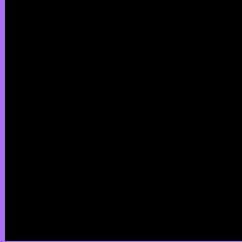
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8388, 0.2514, 0.1727

Background



This preview shows how black text looks on a background with the Yxy color 26.8388, 0.2514, 0.1727.



This preview shows how white text looks on a background with the Yxy color 26.8388, 0.2514, 0.1727.

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

26.8388, 0.2514, 0.1727

Protanopia

27.2818, 0.1970, 0.1745

Deuteranopia

27.3328, 0.2002, 0.1938



Tritanopia

26.8017, 0.3190, 0.3117

Trichromacy



Original Color

26.8388, 0.2514, 0.1727



Protanomaly

26.3786, 0.2115, 0.1719



Deuteranomaly

26.1046, 0.2125, 0.1823



Tritanomaly

26.3308, 0.2920, 0.2499

Monochromacy



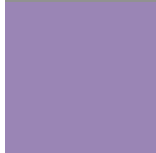
Original Color

26.8388, 0.2514, 0.1727



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.9813, 0.2879, 0.2585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8388, 0.2514, 0.1727 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(171, 112, 245)` looks like.

```
.text, #text, p{  
    color:rgb(171, 112, 245)  
}
```

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(171, 112, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 112, 245) }
```

Border

The CSS property to change the border of an element to Yxy 26.8388, 0.2514, 0.1727 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(171, 112, 245) }
```

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

```
.border{ border-color:rgb(171, 112, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 112, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 112, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 112, 245);  
box-shadow:4px 4px 4px 4px rgb(171, 112,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8388, 0.2514, 0.1727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 112, 245) }
```

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

```
.background{ background-color: rgb(171,  
112, 245) }
```

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