

Converting Colors

$Y_{xy}(30.2487, 0.2429, 0.1782)$

Have a look what the booklet for
Yxy(30.2487, 0.2429, 0.1782)
contains.

Yxy(30.2487, 0.2429, 0.1782)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.2487, 0.2429, 0.1782)

Conversions

Conversions Part 1

Format	Color
Hex	A67EFF
RGB	166, 126, 255
RGB Percent	65%, 49%, 100%
CMY	0.3491, 0.5058, 0.0000
CMYK	0.35, 0.51, 0.00, 0.00
HSL	259°, 100%, 75%
HSV	259°, 51%, 100%
XYZ	41.2313, 30.2487, 98.2658
YIQ	152.6660, -17.5690, 48.5990

Conversions

Conversions Part 2

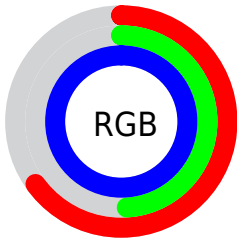
Format	Color
R _Y B	166, 126, 255
Decimal	10911487
CIE Lab	61.87, 42.86, -59.02
CIE LCh	62, 72.942, 305.988
Yxy	30.2487, 0.2429, 0.1782
Android (android.graphics.Color)	4289101567 (0xFFA67EFF)
YUV	152.6660, 50.4507, 11.6939
Hunter-Lab	54.9988, 37.5691, -67.4337

Details

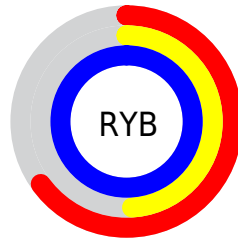
The Yxy color **30.2487, 0.2429, 0.1782** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **87.4737, 0.3592, 0.4650**, and the grayscale version is **31.4859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7098, 0.2923, 0.2501**, and **12.4513, 0.2215, 0.1454** is the 20% darker color. If you saturate the color by 10%, you get **22.7645, 0.2256, 0.1470**, and if you desaturate by 10%, it is **39.6570, 0.2596, 0.2107**.

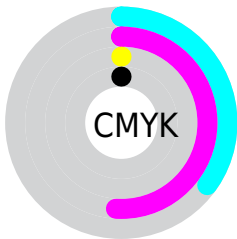
Distribution



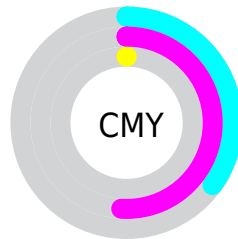
- Red (65%)
- Green (49%)
- Blue (100%)



- Red (65%)
- Yellow (49%)
- Blue (100%)



- Cyan (35%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2487, 0.2429, 0.1782 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 30.2487, 0.2429, 0.1782 by changing the saturation by 10% instead.


 30.2487, 0.2429,
0.1782


 30.2487, 0.2429,
0.1782


303.0620, 0.2803,
0.2482


 20.0274, 0.2333,
0.1629


 60.0553, 0.2568,
0.2021

 12.4150, 0.2211,
0.1445


 80.4093, 0.2619,
0.2115

 7.0270, 0.2050,
0.1224


 104.9098, 0.2663,
0.2197

 3.4790, 0.1834,
0.0959

133.9411, 0.2699,
0.2268

 1.3866, 0.1539,
0.0648

167.8876, 0.2731,
0.2331

 0.2068, 0.1151,
0.0182

207.1336, 0.2758,


 0.0000, 0.0353,


0.2387

0.0000

252.0636, 0.2782,
0.2437

 0.0000, 0.0000,
0.0000


 30.2487, 0.2429,
0.1782


 30.2487, 0.2429,
0.1782

 22.7645, 0.2256,
0.1470

 39.6570, 0.2596,
0.2107


 17.0617, 0.2086,
0.1191


 51.1113, 0.2752,
0.2429


 12.9824, 0.1930,
0.0964

 64.7271, 0.2892,
0.2735

 10.3376, 0.1797,
0.0802

 80.6102, 0.3015,
0.3019

 8.8818, 0.1697,
0.0709

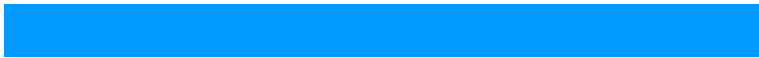
 98.8594, 0.3121,
0.3276

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



30.2487, 0.1695, 0.1668



30.2487, 0.2429, 0.1782



30.2487, 0.3543, 0.2165

Triad

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



30.2487, 0.2429, 0.1782



30.2487, 0.5183, 0.4229



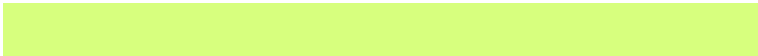
30.2487, 0.1669, 0.3646

Complementary

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



30.2487, 0.2429, 0.1782



87.4737, 0.3592, 0.4650

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.



30.2487, 0.2442, 0.4990



30.2487, 0.2429, 0.1782



30.2487, 0.4452, 0.5017

Square

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



30.2487, 0.2429, 0.1782



30.2487, 0.5349, 0.3462



30.2487, 0.3462, 0.5487



30.2487, 0.1320, 0.2480

Rectangle

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



30.2487, 0.2429, 0.1782



30.2487, 0.4357, 0.2544



30.2487, 0.3462, 0.5487



30.2487, 0.1882, 0.4122

Sweetspot

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



30.2498, 0.2429, 0.1782



73.3093, 0.2963, 0.2896



60.9216, 0.2376, 0.2822



14.9796, 0.2937, 0.2836



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.



30.2498, 0.2429, 0.1782



22.4918, 0.2249, 0.1458



38.8358, 0.2957, 0.1984



17.6507, 0.3027, 0.3048



4.7102, 0.1712, 0.0717



0.5135, 0.1831, 0.0782

Inverse Universe

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



41.0924, 0.3564, 0.2402



34.7648, 0.3692, 0.2252



79.6789, 0.3188, 0.4844



18.1989, 0.3186, 0.3127



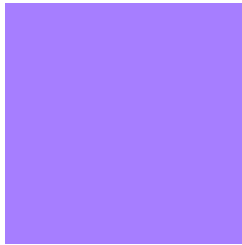
12.7747, 0.4186, 0.2080



1.2635, 0.4047, 0.2003

Previews

White Background



This preview shows how the Yxy color 30.2487, 0.2429, 0.1782 looks on a white background.

Color Contrast Check

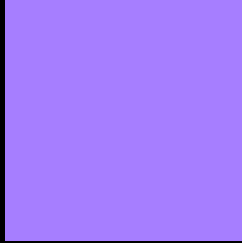
Large Text (above 18pt) WCAG AA × Fail

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 30.2487, 0.2429, 0.1782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

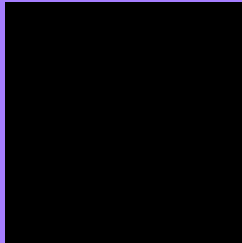
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2487, 0.2429, 0.1782

Background



This preview shows how black text looks on a background with the Yxy color 30.2487, 0.2429, 0.1782.

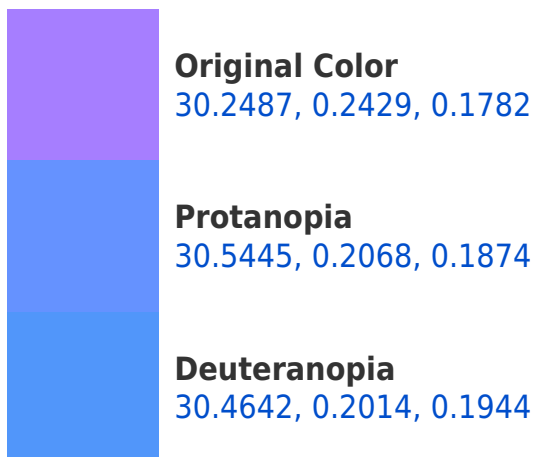


This preview shows how white text looks on a background with the Yxy color 30.2487, 0.2429, 0.1782.

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

30.1791, 0.2986, 0.3104

Trichromacy



Original Color

30.2487, 0.2429, 0.1782

Protanomaly

30.0452, 0.2175, 0.1829

Deuteranomaly

29.5228, 0.2120, 0.1853

Tritanomaly

29.7622, 0.2757, 0.2524

Monochromacy



Original Color

30.2487, 0.2429, 0.1782

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.6317, 0.2846, 0.2624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2487, 0.2429, 0.1782 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(166, 126, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 126, 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(166, 126, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 126, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.2487, 0.2429, 0.1782 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(166, 126, 255) }
```

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

```
.border{ border-color:rgb(166, 126, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 126, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 126, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 126, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 126,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2487, 0.2429, 0.1782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 126, 255) }
```

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

```
.background{ background-color: rgb(166,  
126, 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