

# Converting Colors

$Y_{xy}(32.3302, 0.2382, 0.1544)$

Have a look what the booklet for  
Yxy(32.3302, 0.2382, 0.1544)  
contains.

<b>Yxy(30.0251, 0.2570, 0.1742)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(30.0251, 0.2570, 0.1742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B974FF
RGB	185, 116, 255
RGB Percent	73%, 45%, 100%
CMY	0.2745, 0.5450, 0.0001
CMYK	0.27, 0.54, 0.00, 0.00
HSL	270°, 100%, 73%
HSV	270°, 54%, 100%
XYZ	44.2965, 30.0251, 98.0383
YIQ	152.4770, -3.4950, 57.8570

# Conversions

## Conversions Part 2

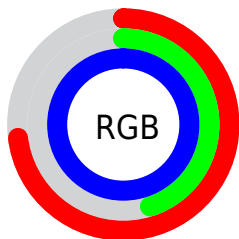
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 116, 255
Decimal	12154111
CIE <sub>Lab</sub>	61.68, 52.85, -59.20
CIE <sub>LCh</sub>	62, 79.358, 311.753
Yxy	30.0251, 0.2570, 0.1742
Android (android.graphics.Color)	4290344191 (0xFFB974FF)
YUV	152.4770, 50.5438, 28.5227
Hunter-Lab	54.7952, 48.4082, -67.7238

# Details

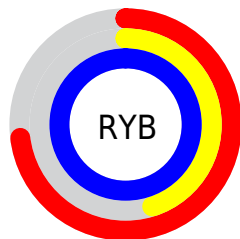
The Yxy color **30.0251, 0.2570, 0.1742** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **83.1970, 0.3443, 0.4842**, and the grayscale version is **31.3966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.2025, 0.3078, 0.2437**, and **12.2872, 0.2387, 0.1409** is the 20% darker color. If you saturate the color by 10%, you get **23.4065, 0.2436, 0.1470**, and if you desaturate by 10%, it is **38.4028, 0.2698, 0.2036**.

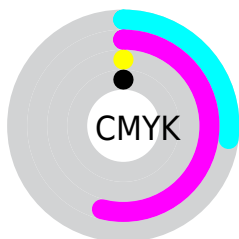
# Distribution



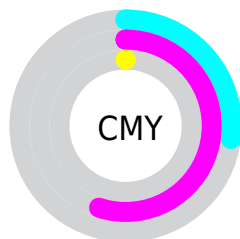
- Red (73%)
- Green (45%)
- Blue (100%)



- Red (73%)
- Yellow (45%)
- Blue (100%)



- Cyan (27%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (55%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0251, 0.2570, 0.1742 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 30.0251, 0.2570, 0.1742 by changing the saturation by 10% instead.





 30.0251, 0.2570,  
0.1742


 30.0251, 0.2570,  
0.1742


302.0214, 0.2880,  
0.2452


 19.8576, 0.2488,  
0.1588


 59.7019, 0.2687,  
0.1983

 12.2916, 0.2381,  
0.1405


 79.9800, 0.2730,  
0.2078

 6.9426, 0.2240,  
0.1186


 104.3971, 0.2766,  
0.2161

 3.4262, 0.2046,  
0.0925

133.3376, 0.2796,  
0.2234

 1.3581, 0.1773,  
0.0621

167.1859, 0.2821,  
0.2298

 0.1855, 0.1404,  
0.0159

206.3263, 0.2844,


 0.0000, 0.0741,


0.2355

0.0000


251.1434, 0.2863,  
0.2406

 0.0000, 0.0000,  
0.0000

 30.0251, 0.2570,  
0.1742

 30.0251, 0.2570,  
0.1742


 23.4065, 0.2436,  
0.1470


 38.4028, 0.2698,  
0.2036


 18.4043, 0.2301,  
0.1235

 48.6600, 0.2817,  
0.2337

 14.8582, 0.2173,  
0.1051

 60.9101, 0.2923,  
0.2634

 12.5710, 0.2056,  
0.0924

 75.2562, 0.3016,  
0.2916

 11.6966, 0.1997,  
0.0874

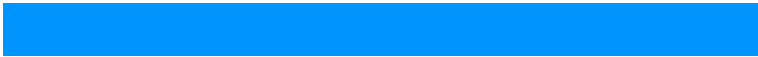
 91.7944, 0.3095,  
0.3179

99.9977, 0.3127,  
0.3290

# Harmonies

## Analogous

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



30.0251, 0.1713, 0.1565



30.0251, 0.2570, 0.1742



30.0251, 0.3831, 0.2192

# Triad

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



30.0251, 0.2570, 0.1742



30.0251, 0.5192, 0.4407



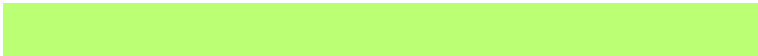
30.0251, 0.1453, 0.3375

# Complementary

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



30.0251, 0.2570, 0.1742



83.1970, 0.3443, 0.4842

# 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.



30.0251, 0.2178, 0.4925



30.0251, 0.2570, 0.1742



30.0251, 0.4312, 0.5263

# Square

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



30.0251, 0.2570, 0.1742



30.0251, 0.5551, 0.3583



30.0251, 0.3231, 0.5692



30.0251, 0.1182, 0.2230



# Rectangle

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



30.0251, 0.2570, 0.1742



30.0251, 0.4697, 0.2611



30.0251, 0.3231, 0.5692



30.0251, 0.1642, 0.3889

# Sweetspot

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



30.0262, 0.2570, 0.1742



72.9837, 0.3002, 0.2875



46.8163, 0.2257, 0.2447



14.9659, 0.2984, 0.2817



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.



30.0262, 0.2570, 0.1742



23.1240, 0.2429, 0.1457



40.5297, 0.3167, 0.1985



17.8206, 0.3057, 0.3050



6.2022, 0.2014, 0.0883



0.6688, 0.2137, 0.0951



# Inverse Universe

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



37.2932, 0.3904, 0.2584



31.4528, 0.4138, 0.2486



76.6340, 0.3055, 0.5044



18.1397, 0.3215, 0.3171



11.9591, 0.4949, 0.2500

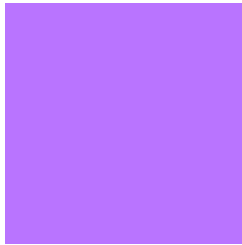


1.1865, 0.4697, 0.2361



# Previews

## White Background



This preview shows how the Yxy color 30.0251, 0.2570, 0.1742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

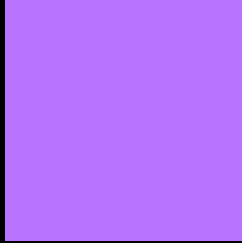
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 30.0251, 0.2570, 0.1742 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

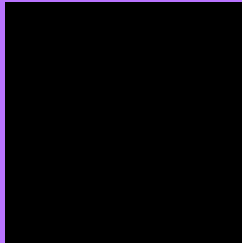
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.0251, 0.2570, 0.1742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.0251, 0.2570, 0.1742.

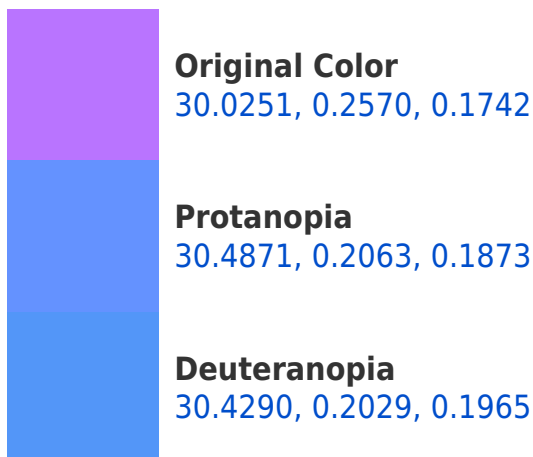


This preview shows how white text looks on a background with the Yxy color 30.0251, 0.2570, 0.1742.

# 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

29.8614, 0.3285, 0.3128

# Trichromacy



## Original Color

30.0251, 0.2570, 0.1742



## Protanomaly

29.3732, 0.2202, 0.1793



## Deuteranomaly

29.1351, 0.2161, 0.1839



## Tritanomaly

29.4914, 0.2998, 0.2517

# Monochromacy



## Original Color

30.0251, 0.2570, 0.1742



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

30.0319, 0.2910, 0.2591

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.0251, 0.2570, 0.1742 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(185, 116, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 116, 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(185, 116, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 116, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 30.0251, 0.2570, 0.1742 is called "border". The border property can be set on classes, ids or directly on the HTML element.

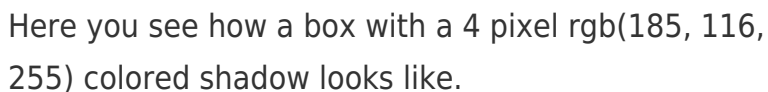
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 116, 255) }
```

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

```
.border{ border-color:rgb(185, 116, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 116, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 116, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 116, 255); box-shadow:4px 4px 4px 4px rgb(185, 116, 255) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.0251, 0.2570, 0.1742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 116, 255) }
```

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

```
.background{ background-color: rgb(185,  
116, 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