

Converting Colors

$Y_{xy}(29.9081, 0.2569, 0.1737)$

Have a look what the booklet for
Yxy(29.9081, 0.2569, 0.1737)
contains.

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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

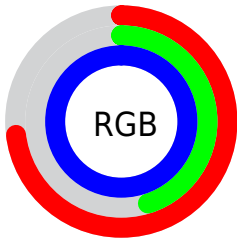
Format	Color
R _Y B	185, 116, 255
Decimal	12154111
CIE Lab	61.68, 52.85, -59.20
CIE LCh	62, 79.358, 311.753
Yxy	30.0251, 0.2570, 0.1742
Android (android.graphics.Color)	4290344191 (0xFFB974FF)
YUV	152.4770, 50.5438, 28.5227
Hunter-Lab	54.7952, 48.4082, -67.7238

Details

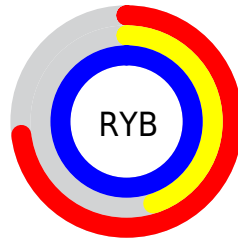
The Yxy color **30.0251, 0.2570, 0.1742** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **83.1970, 0.3443, 0.4842**, and the grayscale version is **31.3966, 0.3127, 0.3290**.

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**.

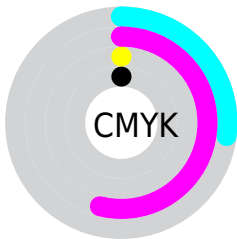
Distribution



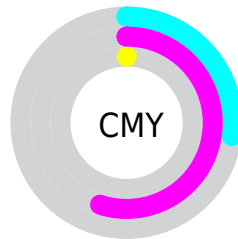
- Red (73%)
- Green (45%)
- Blue (100%)



- 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



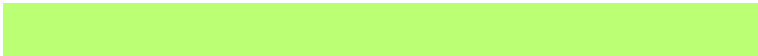
30.0251, 0.1453, 0.3375

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



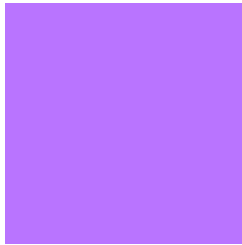
11.9591, 0.4949, 0.2500



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

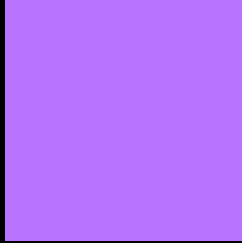
Large Text (above 18pt) WCAG AA ✓ Pass

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

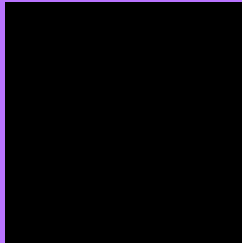
Large Text (above 18pt) WCAG AAA ✓ Pass

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



Original Color

30.0251, 0.2570, 0.1742

Protanopia

30.4871, 0.2063, 0.1873

Deuteranopia

30.4290, 0.2029, 0.1965



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](#).

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