

Converting Colors

$Y_{xy}(29.2573, 0.2570, 0.1742)$

Have a look what the booklet for
Yxy(29.2573, 0.2570, 0.1742)
contains.

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Color

Yxy(29.3570, 0.2572, 0.1747)

Conversions

Conversions Part 1

Format	Color
Hex	B773FC
RGB	183, 115, 252
RGB Percent	72%, 45%, 99%
CMY	0.2825, 0.5489, 0.0119
CMYK	0.27, 0.54, 0.00, 0.01
HSL	270°, 96%, 72%
HSV	270°, 54%, 99%
XYZ	43.2205, 29.3570, 95.4649
YIQ	150.9500, -3.4490, 57.0230

Conversions

Conversions Part 2

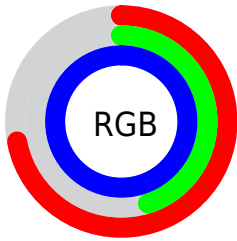
Format	Color
RYB	183, 115, 252
Decimal	12022780
CIELab	61.10, 52.18, -58.50
CIElCh	61, 78.392, 311.735
Yxy	29.3570, 0.2572, 0.1747
Android (android.graphics.Color)	4290212860 (0xFFB773FC)
YUV	150.9500, 49.8177, 28.1079
Hunter-Lab	54.1821, 47.5689, -66.5371

Details

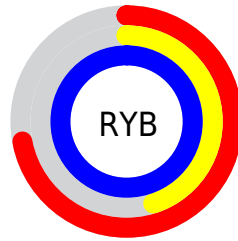
The Yxy color **29.3570, 0.2572, 0.1747** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **81.0405, 0.3442, 0.4837**, and the grayscale version is **30.7110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4732, 0.3063, 0.2423**, and **11.9308, 0.2379, 0.1403** is the 20% darker color. If you saturate the color by 10%, you get **22.8868, 0.2438, 0.1474**, and if you desaturate by 10%, it is **37.5401, 0.2700, 0.2041**.

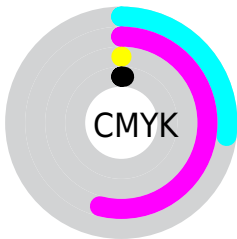
Distribution



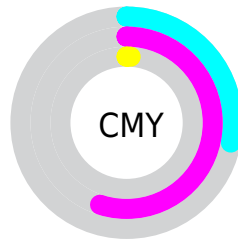
- Red (72%)
- Green (45%)
- Blue (99%)



- Red (72%)
- Yellow (45%)
- Blue (99%)



- Cyan (27%)
- Magenta (54%)
- Yellow (0%)
- Black (1%)





- Cyan (28%)
- Magenta (55%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3570, 0.2572, 0.1747 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 29.3570, 0.2572, 0.1747 by changing the saturation by 10% instead.


 29.3570, 0.2572,
0.1747


 29.3570, 0.2572,
0.1747


298.8957, 0.2882,
0.2458

 19.3511, 0.2489,
0.1592


 58.6438, 0.2689,
0.1989

 11.9242, 0.2382,
0.1408


 78.6935, 0.2732,
0.2085

 6.6921, 0.2239,
0.1186


 102.8598, 0.2768,
0.2168

 3.2703, 0.2042,
0.0921

131.5272, 0.2798,
0.2241

 1.2744, 0.1764,
0.0613

165.0801, 0.2824,
0.2305

 0.1213, 0.1391,
0.0111

203.9029, 0.2846,


 0.0000, 0.0654,


0.2362


0.0000


248.3800, 0.2865,
0.2412

 0.0000, 0.0000,
0.0000


 29.3570, 0.2572,
0.1747


 29.3570, 0.2572,
0.1747


 22.8868, 0.2438,
0.1474


 37.5401, 0.2700,
0.2041

 17.9912, 0.2303,
0.1239


 47.5529, 0.2818,
0.2342


 14.5150, 0.2175,
0.1054

 59.5054, 0.2924,
0.2638

 12.2671, 0.2057,
0.0926

 73.4977, 0.3017,
0.2920

 11.3870, 0.1997,
0.0874

 89.6231, 0.3096,
0.3183

99.8069, 0.3145,
0.3319

Harmonies

Analogous

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



29.3570, 0.1718, 0.1570



29.3570, 0.2572, 0.1747



29.3570, 0.3827, 0.2196

Triad

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



29.3570, 0.2572, 0.1747



29.3570, 0.5186, 0.4405



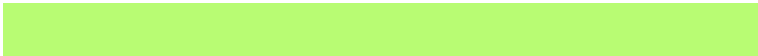
29.3570, 0.1460, 0.3376

Complementary

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



29.3570, 0.2572, 0.1747



81.0405, 0.3442, 0.4837

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.



29.3570, 0.2184, 0.4917



29.3570, 0.2572, 0.1747



29.3570, 0.4311, 0.5257

Square

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



29.3570, 0.2572, 0.1747



29.3570, 0.5541, 0.3584



29.3570, 0.3234, 0.5680



29.3570, 0.1189, 0.2236

Rectangle

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



29.3570, 0.2572, 0.1747



29.3570, 0.4689, 0.2614



29.3570, 0.3234, 0.5680



29.3570, 0.1649, 0.3887

Sweetspot

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



29.3581, 0.2572, 0.1747



72.9815, 0.3002, 0.2875



45.7013, 0.2260, 0.2450



14.9654, 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.



29.3581, 0.2572, 0.1747



23.1179, 0.2429, 0.1457



39.5626, 0.3167, 0.1988



17.0659, 0.3057, 0.3050



6.0203, 0.2014, 0.0883



0.6206, 0.2143, 0.0954

Inverse Universe

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



36.4217, 0.3900, 0.2586



31.4548, 0.4137, 0.2486



74.6488, 0.3056, 0.5038



17.3712, 0.3215, 0.3171



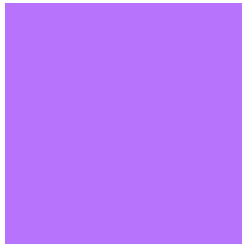
11.6083, 0.4946, 0.2498



1.0965, 0.4682, 0.2353

Previews

White Background



This preview shows how the Yxy color 29.3570, 0.2572, 0.1747 looks on a white background.

Color Contrast Check

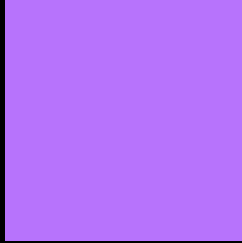
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3570, 0.2572, 0.1747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

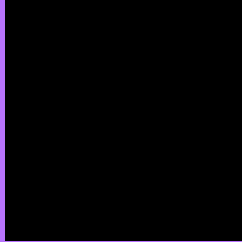
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3570, 0.2572, 0.1747

Background



This preview shows how black text looks on a background with the Yxy color 29.3570, 0.2572, 0.1747.



This preview shows how white text looks on a background with the Yxy color 29.3570, 0.2572, 0.1747.

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

29.3570, 0.2572, 0.1747

Protanopia

29.7079, 0.2043, 0.1842

Deuteranopia

29.6114, 0.2033, 0.1964



Tritanopia

29.3161, 0.3275, 0.3126

Trichromacy



Original Color

29.3570, 0.2572, 0.1747



Protanomaly

28.5200, 0.2183, 0.1770



Deuteranomaly

28.3076, 0.2163, 0.1836



Tritanomaly

28.9040, 0.2997, 0.2522

Monochromacy



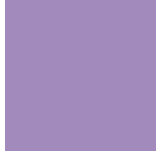
Original Color

29.3570, 0.2572, 0.1747



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.5943, 0.2908, 0.2587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3570, 0.2572, 0.1747 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(183, 115, 252)` looks like.

```
.text, #text, p{  
    color:rgb(183, 115, 252)  
}
```

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(183, 115, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 115, 252) }
```

Border

The CSS property to change the border of an element to Yxy 29.3570, 0.2572, 0.1747 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(183, 115, 252) }
```

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

```
.border{ border-color:rgb(183, 115, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 115, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 115, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 115, 252); box-shadow:4px 4px 4px 4px rgb(183, 115, 252) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3570, 0.2572, 0.1747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 115, 252) }
```

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

```
.background{ background-color: rgb(183,  
115, 252) }
```

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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