

Converting Colors

$Y_{xy}(82.7215, 0.3925, 0.2704)$

Have a look what the booklet for
Yxy(82.7215, 0.3925, 0.2704)
contains.

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Color

Yxy(59.0757, 0.3171, 0.2516)

Conversions

Conversions Part 1

Format	Color
Hex	FFAFFE
RGB	255, 175, 254
RGB Percent	100%, 69%, 100%
CMY	0.0001, 0.3137, 0.0038
CMYK	0.00, 0.31, 0.00, 0.00
HSL	301°, 100%, 84%
HSV	301°, 31%, 100%
XYZ	74.4551, 59.0757, 101.2693
YIQ	207.9260, 22.3210, 41.5290

Conversions

Conversions Part 2

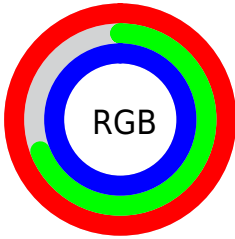
Format	Color
RYB	255, 175, 254
Decimal	16756734
CIELab	81.33, 41.38, -27.41
CIElCh	81, 49.632, 326.478
Yxy	59.0757, 0.3171, 0.2516
Android (android.graphics.Color)	4294946814 (0xFFFFAFFE)
YUV	207.9260, 22.7145, 41.2839
Hunter-Lab	76.8607, 38.4070, -24.3161

Details

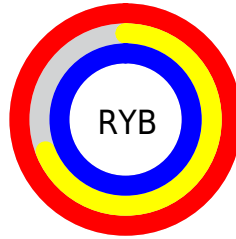
The Yxy color **59.0757, 0.3171, 0.2516** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.7509, 0.3079, 0.4208**, and the grayscale version is **62.8673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **29.5763, 0.3171, 0.2348** is the 20% darker color. If you saturate the color by 10%, you get **50.0524, 0.3185, 0.2281**, and if you desaturate by 10%, it is **69.9780, 0.3157, 0.2763**.

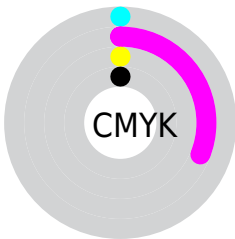
Distribution



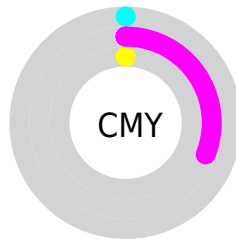
- Red (100%)
- Green (69%)
- Blue (100%)



- Red (100%)
- Yellow (69%)
- Blue (100%)



- Cyan (0%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.0757, 0.3171, 0.2516 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 59.0757, 0.3171, 0.2516 by changing the saturation by 10% instead.

 59.0757, 0.3171,
0.2516

 59.0757, 0.3171,
0.2516


421.1824, 0.3160,
0.2862

 42.6741, 0.3171,
0.2440


 103.4877, 0.3169,
0.2633

 29.6295, 0.3171,
0.2349


132.2668, 0.3168,
0.2680

 19.5575, 0.3169,
0.2235


165.9406, 0.3166,
0.2720

 12.0738, 0.3163,
0.2092

204.8933, 0.3165,
0.2755

 6.7940, 0.3151,
0.1905

249.5095, 0.3164,
0.2787

 3.3336, 0.3124,
0.1654


300.1735, 0.3162,


 1.3083, 0.3064,

0.2814

0.1307


357.2696, 0.3161,
0.2839

 0.1476, 0.3053,
0.0379


 0.0000, 0.1012,
0.0000


 59.0757, 0.3171,
0.2516


 59.0757, 0.3171,
0.2516

 50.0524, 0.3185,
0.2281


 69.9780, 0.3157,
0.2763

 42.7945, 0.3199,
0.2066

 82.8489, 0.3143,
0.3013

 37.1885, 0.3211,
0.1883

 97.7818, 0.3129,
0.3257

 33.1043, 0.3221,
0.1739

99.9947, 0.3127,
0.3290

■ 30.3922, 0.3229,
0.1638

■ 28.8726, 0.3235,
0.1580

■ 28.2811, 0.3239,
0.1558

Harmonies

Analogous

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



59.0757, 0.2572, 0.2319



59.0757, 0.3171, 0.2516



59.0757, 0.3820, 0.2875

Triad

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



59.0757, 0.3171, 0.2516



59.0757, 0.4129, 0.4251



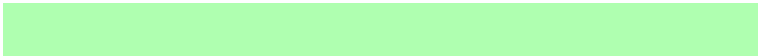
59.0757, 0.2085, 0.3069

Complementary

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



59.0757, 0.3171, 0.2516



83.7509, 0.3079, 0.4208

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.



59.0757, 0.2430, 0.3728



59.0757, 0.3171, 0.2516



59.0757, 0.3605, 0.4463

Square

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



59.0757, 0.3171, 0.2516



59.0757, 0.4395, 0.3824



59.0757, 0.2983, 0.4285



59.0757, 0.1998, 0.2574

Rectangle

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



59.0757, 0.3171, 0.2516



59.0757, 0.4166, 0.3175



59.0757, 0.2983, 0.4285



59.0757, 0.2172, 0.3280

Sweetspot

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



59.0783, 0.3171, 0.2516



86.2040, 0.3139, 0.3071



46.9998, 0.2566, 0.2361



18.0081, 0.3141, 0.3035



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.



59.0783, 0.3171, 0.2516



52.8946, 0.3180, 0.2358



56.8266, 0.3489, 0.2880



18.2965, 0.3140, 0.3059



14.7828, 0.3239, 0.1558



1.4405, 0.3235, 0.1556

Inverse Universe

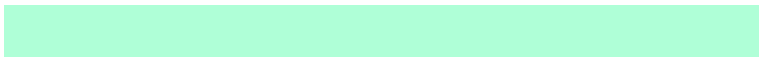
The Inverse Universe completely reimagines the original color for something new.



59.0783, 0.3171, 0.2516



52.8946, 0.3180, 0.2358



85.5239, 0.2875, 0.3742



18.2965, 0.3140, 0.3059



14.7828, 0.3239, 0.1558



1.4405, 0.3235, 0.1556

Previews

White Background



This preview shows how the Yxy color 59.0757, 0.3171, 0.2516 looks on a white background.

Color Contrast Check

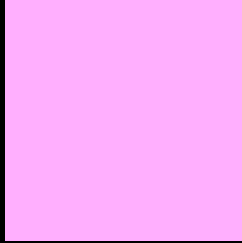
Large Text (above 18pt) WCAG AA × Fail

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 59.0757, 0.3171, 0.2516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

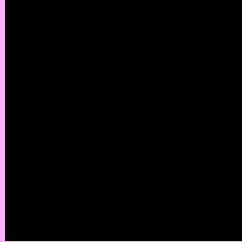
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.0757, 0.3171, 0.2516

Background



This preview shows how black text looks on a background with the Yxy color 59.0757, 0.3171, 0.2516.



This preview shows how white text looks on a background with the Yxy color 59.0757, 0.3171, 0.2516.

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

59.0757, 0.3171, 0.2516

Protanopia

59.6847, 0.2684, 0.2684

Deuteranopia

59.2961, 0.2777, 0.2711



Tritanopia

59.2444, 0.3538, 0.3143

Trichromacy



Original Color

59.0757, 0.3171, 0.2516



Protanomaly

58.9163, 0.2840, 0.2612



Deuteranomaly

58.8520, 0.2915, 0.2638



Tritanomaly

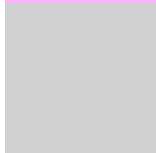
59.1324, 0.3403, 0.2898

Monochromacy



Original Color

59.0757, 0.3171, 0.2516



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

60.9236, 0.3142, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.0757, 0.3171, 0.2516 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(255, 175, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 254)  
}
```

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(255, 175, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 254) }
```

Border

The CSS property to change the border of an element to Yxy 59.0757, 0.3171, 0.2516 is called "border". The border property can be set on classes, ids or directly on the HTML element.

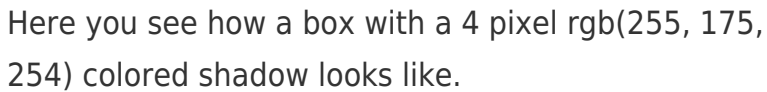
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 175, 254) }
```

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

```
.border{ border-color:rgb(255, 175, 254) }
```

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



Here you see how a box with a 4 pixel rgb(255, 175, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 59.0757, 0.3171, 0.2516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 254) }
```

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

```
.background{ background-color: rgb(255,  
175, 254) }
```

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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