

Converting Colors

$Y_{xy}(59.6082, 0.3120, 0.2171)$

Have a look what the booklet for
Yxy(59.6082, 0.3120, 0.2171)
contains.

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Color

Yxy(52.9337, 0.3171, 0.2347)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EFF
RGB	255, 158, 255
RGB Percent	100%, 62%, 100%
CMY	0.0000, 0.3804, 0.0000
CMYK	0.00, 0.38, 0.00, 0.00
HSL	300°, 100%, 81%
HSV	300°, 38%, 100%
XYZ	71.5180, 52.9337, 101.0860
YIQ	198.0610, 26.6750, 50.7310

Conversions

Conversions Part 2

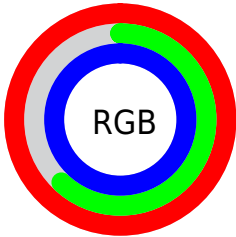
Format	Color
R _Y B	255, 158, 255
Decimal	16752383
CIE Lab	77.84, 50.31, -33.32
CIE LCh	78, 60.343, 326.482
Yxy	52.9337, 0.3171, 0.2347
Android (android.graphics.Color)	4294942463 (0xFFFF9EFF)
YUV	198.0610, 28.0709, 49.9355
Hunter-Lab	72.7555, 48.1416, -31.4482

Details

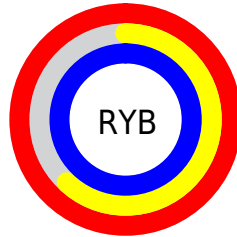
The Yxy color **52.9337, 0.3171, 0.2347** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.2597, 0.3073, 0.4456**, and the grayscale version is **56.3244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **25.8482, 0.3170, 0.2146** is the 20% darker color. If you saturate the color by 10%, you get **45.1174, 0.3182, 0.2123**, and if you desaturate by 10%, it is **62.5545, 0.3160, 0.2590**.

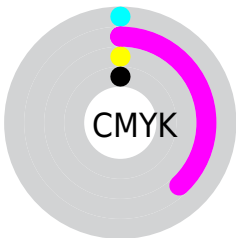
Distribution



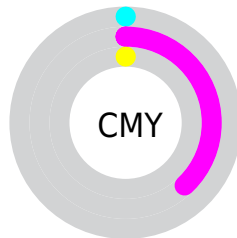
- Red (100%)
- Green (62%)
- Blue (100%)



- Red (100%)
- Yellow (62%)
- Blue (100%)



- Cyan (0%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9337, 0.3171, 0.2347 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 52.9337, 0.3171, 0.2347 by changing the saturation by 10% instead.

 52.9337, 0.3171,
0.2347

 52.9337, 0.3171,
0.2347

398.0307, 0.3164,
0.2768

 37.7498, 0.3169,
0.2255

 94.5068, 0.3171,
0.2490

 25.7886, 0.3166,
0.2144


 121.6648, 0.3171,
0.2546

 16.6656, 0.3158,
0.2008


153.5831, 0.3170,
0.2595

 9.9963, 0.3145,
0.1836

190.6459, 0.3169,
0.2638

 5.3965, 0.3119,
0.1616

233.2376, 0.3168,
0.2676

 2.4817, 0.3069,
0.1327

281.7428, 0.3167,

 0.8675, 0.2962,

0.2710

0.0943

336.5457, 0.3165,
0.2741

■ 0.0000, 0.2843,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.9337, 0.3171,
0.2347

■ 52.9337, 0.3171,
0.2347

■ 45.1174, 0.3182,
0.2123

■ 62.5545, 0.3160,
0.2590

■ 38.9934, 0.3191,
0.1928

■ 74.0829, 0.3148,
0.2841

■ 34.4366, 0.3198,
0.1769

■ 87.6137, 0.3136,
0.3093

■ 31.3046, 0.3204,
0.1652

100.0000, 0.3127,
0.3290

■ 29.4295, 0.3207,
0.1579

■ 28.5832, 0.3209,
0.1546

■ 28.4745, 0.3209,
0.1541

Harmonies

Analogous

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



52.9337, 0.2434, 0.2111



52.9337, 0.3171, 0.2347



52.9337, 0.3997, 0.2773

Triad

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



52.9337, 0.3171, 0.2347



52.9337, 0.4349, 0.4452



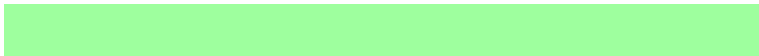
52.9337, 0.1848, 0.2989

Complementary

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



52.9337, 0.3171, 0.2347



81.2597, 0.3073, 0.4456

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.



52.9337, 0.2252, 0.3844



52.9337, 0.3171, 0.2347



52.9337, 0.3690, 0.4773

Square

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



52.9337, 0.3171, 0.2347



52.9337, 0.4705, 0.3904



52.9337, 0.2923, 0.4580



52.9337, 0.1754, 0.2388

Rectangle

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



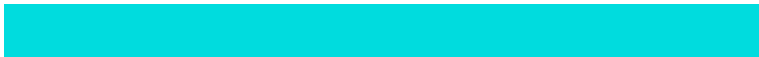
52.9337, 0.3171, 0.2347



52.9337, 0.4439, 0.3127



52.9337, 0.2923, 0.4580



52.9337, 0.1948, 0.3257

Sweetspot

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



52.9337, 0.3171, 0.2347



83.3902, 0.3140, 0.3018



39.5007, 0.2427, 0.2146



17.4483, 0.3141, 0.2984



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.



52.9337, 0.3171, 0.2347



46.5684, 0.3180, 0.2167



50.2757, 0.3580, 0.2775



18.3003, 0.3138, 0.3056



14.8786, 0.3209, 0.1541



1.4487, 0.3209, 0.1541

Inverse Universe

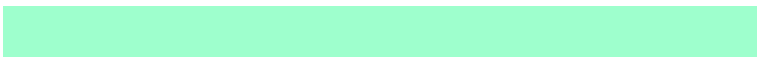
The Inverse Universe completely reimagines the original color for something new.



48.1850, 0.4076, 0.3293



41.1777, 0.4387, 0.3294



83.1920, 0.2836, 0.3877



17.9871, 0.3295, 0.3290



11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 52.9337, 0.3171, 0.2347 looks on a white background.

Color Contrast Check

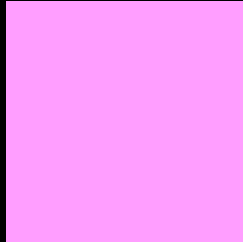
Large Text (above 18pt) WCAG AA × Fail

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 52.9337, 0.3171, 0.2347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

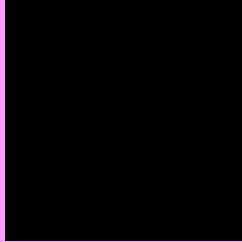
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9337, 0.3171, 0.2347

Background



This preview shows how black text looks on a background with the Yxy color 52.9337, 0.3171, 0.2347.



This preview shows how white text looks on a background with the Yxy color 52.9337, 0.3171, 0.2347.

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

52.9337, 0.3171, 0.2347

Protanopia

53.4803, 0.2582, 0.2550

Deuteranopia

53.0585, 0.2659, 0.2596



Tritanopia

53.0251, 0.3673, 0.3151

Trichromacy



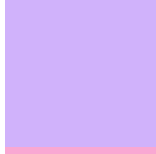
Original Color

52.9337, 0.3171, 0.2347



Protanomaly

52.1567, 0.2767, 0.2454



Deuteranomaly

52.2157, 0.2829, 0.2489



Tritanomaly

52.8481, 0.3484, 0.2840

Monochromacy



Original Color

52.9337, 0.3171, 0.2347



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

54.0415, 0.3146, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9337, 0.3171, 0.2347 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, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 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(255, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.9337, 0.3171, 0.2347 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, 158, 255) }
```

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

```
.border{ border-color:rgb(255, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9337, 0.3171, 0.2347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 255) }
```

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

```
.background{ background-color: rgb(255,  
158, 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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