

Converting Colors

$Y_{xy}(70.3860, 0.2415, 0.1662)$

Have a look what the booklet for
Yxy(70.3860, 0.2415, 0.1662)
contains.

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Color

Yxy(59.1533, 0.3148, 0.2513)

Conversions

Conversions Part 1

Format	Color
Hex	FDB0FF
RGB	253, 176, 255
RGB Percent	99%, 69%, 100%
CMY	0.0076, 0.3099, 0.0000
CMYK	0.01, 0.31, 0.00, 0.00
HSL	299°, 100%, 85%
HSV	299°, 31%, 100%
XYZ	74.1005, 59.1533, 102.1354
YIQ	208.0290, 20.5330, 40.8930

Conversions

Conversions Part 2

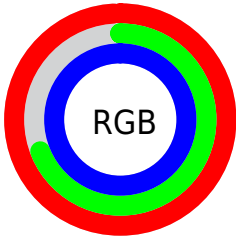
Format	Color
R _Y B	253, 176, 255
Decimal	16625919
CIE _{Lab}	81.38, 40.46, -27.89
CIE _{LCh}	81, 49.142, 325.420
Y _{xy}	59.1533, 0.3148, 0.2513
Android (android.graphics.Color)	4294815999 (0xFFFD _{B0FF})
Y _{UV}	208.0290, 23.1567, 39.4396
Hunter-Lab	76.9112, 37.3823, -24.8972

Details

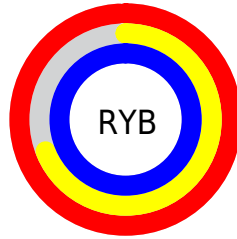
The Yxy color **59.1533, 0.3148, 0.2513** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **84.1091, 0.3096, 0.4204**, and the grayscale version is **62.9347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1932, 0.3138, 0.3068**, and **29.5984, 0.3140, 0.2343** is the 20% darker color. If you saturate the color by 10%, you get **49.9607, 0.3153, 0.2272**, and if you desaturate by 10%, it is **70.2269, 0.3142, 0.2765**.

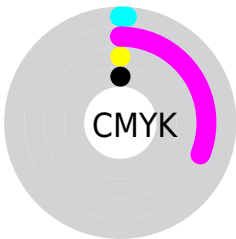
Distribution



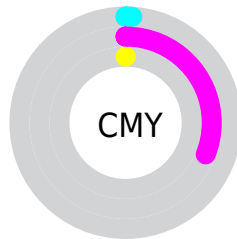
- Red (99%)
- Green (69%)
- Blue (100%)



- Red (99%)
- Yellow (69%)
- Blue (100%)



- Cyan (1%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.1533, 0.3148, 0.2513 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 59.1533, 0.3148, 0.2513 by changing the saturation by 10% instead.


 59.1533, 0.3148,
0.2513

 59.1533, 0.3148,
0.2513

421.4698, 0.3148,
0.2860

 42.7365, 0.3146,
0.2437


 103.6004, 0.3150,
0.2631

 29.6785, 0.3142,
0.2345


132.3996, 0.3150,
0.2677

 19.5947, 0.3136,
0.2231


166.0950, 0.3150,
0.2718

 12.1007, 0.3125,
0.2087

205.0711, 0.3149,
0.2753

 6.8123, 0.3106,
0.1900

249.7122, 0.3149,
0.2785

 3.3450, 0.3070,
0.1649


300.4028, 0.3149,


 1.3144, 0.2995,


0.2813


0.1301


357.5272, 0.3148,
0.2838


 0.1523, 0.2952,
0.0385


 0.0000, 0.0810,
0.0000


 59.1533, 0.3148,
0.2513

 59.1533, 0.3148,
0.2513

 49.9607, 0.3153,
0.2272


 70.2269, 0.3142,
0.2765

 42.5398, 0.3156,
0.2051

 83.2747, 0.3135,
0.3018

 36.7760, 0.3158,
0.1861

 98.3886, 0.3128,
0.3266

 32.5398, 0.3158,
0.1709

100.0000, 0.3127,
0.3290

■ 29.6825, 0.3156,
0.1600

■ 28.0256, 0.3152,
0.1535

■ 27.3099, 0.3147,
0.1507

Harmonies

Analogous

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



59.1533, 0.2560, 0.2325



59.1533, 0.3148, 0.2513



59.1533, 0.3792, 0.2865

Triad

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



59.1533, 0.3148, 0.2513



59.1533, 0.4134, 0.4230



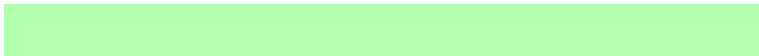
59.1533, 0.2103, 0.3093

Complementary

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



59.1533, 0.3148, 0.2513



84.1091, 0.3096, 0.4204

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.



59.1533, 0.2454, 0.3746



59.1533, 0.3148, 0.2513



59.1533, 0.3623, 0.4449

Square

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



59.1533, 0.3148, 0.2513



59.1533, 0.4385, 0.3804



59.1533, 0.3006, 0.4287



59.1533, 0.2006, 0.2595

Rectangle

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



59.1533, 0.3148, 0.2513



59.1533, 0.4140, 0.3161



59.1533, 0.3006, 0.4287



59.1533, 0.2192, 0.3304

Sweetspot

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



59.1547, 0.3148, 0.2513



86.1145, 0.3134, 0.3068



48.5316, 0.2577, 0.2405



17.9858, 0.3135, 0.3032



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.



59.1547, 0.3148, 0.2513



53.4101, 0.3151, 0.2366



57.3698, 0.3461, 0.2859



18.2763, 0.3134, 0.3056



14.2803, 0.3148, 0.1508



1.3974, 0.3155, 0.1512

Inverse Universe

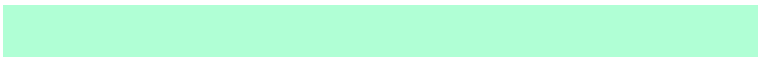
The Inverse Universe completely reimagines the original color for something new.



55.5125, 0.3818, 0.3272



49.2709, 0.4015, 0.3268



85.5440, 0.2891, 0.3767



17.9943, 0.3291, 0.3285



11.1191, 0.6376, 0.3286



1.0851, 0.6317, 0.3253

Previews

White Background



This preview shows how the Yxy color 59.1533, 0.3148, 0.2513 looks on a white background.

Color Contrast Check

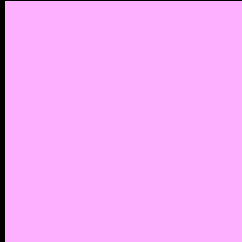
Large Text (above 18pt) WCAG AA × Fail

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 59.1533, 0.3148, 0.2513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

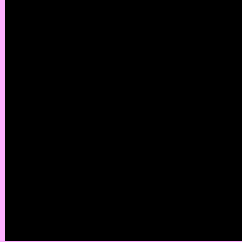
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.1533, 0.3148, 0.2513

Background



This preview shows how black text looks on a background with the Yxy color 59.1533, 0.3148, 0.2513.



This preview shows how white text looks on a background with the Yxy color 59.1533, 0.3148, 0.2513.

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

59.1533, 0.3148, 0.2513

Protanopia

59.6847, 0.2684, 0.2684

Deuteranopia

59.3590, 0.2771, 0.2701



Tritanopia

59.3505, 0.3511, 0.3142

Trichromacy



Original Color

59.1533, 0.3148, 0.2513



Protanomaly

58.9163, 0.2840, 0.2612



Deuteranomaly

58.7606, 0.2901, 0.2627



Tritanomaly

59.2272, 0.3377, 0.2897

Monochromacy



Original Color

59.1533, 0.3148, 0.2513



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

60.7634, 0.3134, 0.2972

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.1533, 0.3148, 0.2513 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(253, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 176, 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(253, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 176, 255) }
```

Border

The CSS property to change the border of an element to Yxy 59.1533, 0.3148, 0.2513 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(253, 176, 255) }
```

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

```
.border{ border-color:rgb(253, 176, 255) }
```

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

Here you see how a box with a 4 pixel rgb(253, 176, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 176,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 59.1533, 0.3148, 0.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 176, 255) }
```

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

```
.background{ background-color: rgb(253,  
176, 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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