

Converting Colors

$Y_{xy}(100.0000, 0.4421, 0.2740)$

Have a look what the booklet for
Yxy(100.0000, 0.4421, 0.2740)
contains.

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Color

Yxy(53.8416, 0.3186, 0.2392)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFA1FD |
| RGB | 255, 161, 253 |
| RGB Percent | 100%, 63%, 99% |
| CMY | 0.0000, 0.3686, 0.0079 |
| CMYK | 0.00, 0.37, 0.01, 0.00 |
| HSL | 301°, 100%, 82% |
| HSV | 301°, 37%, 100% |
| XYZ | 71.7138, 53.8416, 99.5349 |
| YIQ | 199.5940, 26.4920, 48.5400 |

Conversions

Conversions Part 2

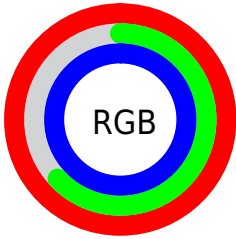
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 161, 253 |
| Decimal | 16753149 |
| CIE Lab | 78.37, 48.42, -31.40 |
| CIE LCh | 78, 57.713, 327.040 |
| Yxy | 53.8416, 0.3186, 0.2392 |
| Android (android.graphics.Color) | 4294943229 (0xFFFFA1FD) |
| YUV | 199.5940, 26.3292, 48.5911 |
| Hunter-Lab | 73.3768, 46.0449, -29.0625 |

Details

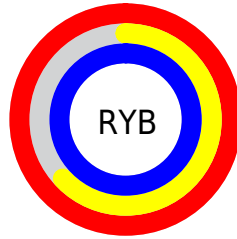
The Yxy color **53.8416, 0.3186, 0.2392** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.7426, 0.3064, 0.4389**, and the grayscale version is **57.3207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1057, 0.3145, 0.2920**, and **26.3712, 0.3189, 0.2199** is the 20% darker color. If you saturate the color by 10%, you get **45.7865, 0.3202, 0.2168**, and if you desaturate by 10%, it is **63.7179, 0.3169, 0.2632**.

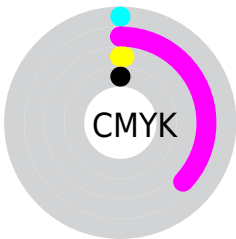
Distribution



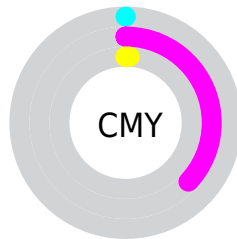
- Red (100%)
- Green (63%)
- Blue (99%)



- Red (100%)
- Yellow (63%)
- Blue (99%)



- Cyan (0%)
- Magenta (37%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (37%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.8416, 0.3186, 0.2392 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 53.8416, 0.3186, 0.2392 by changing the saturation by 10% instead.


 53.8416, 0.3186,
0.2392


 53.8416, 0.3186,
0.2392


401.5057, 0.3171,
0.2794

 38.4750, 0.3187,
0.2304

 95.8416, 0.3183,
0.2528

 26.3516, 0.3186,
0.2198


 123.2439, 0.3181,
0.2582

 17.0868, 0.3182,
0.2066


155.4268, 0.3180,
0.2629

 10.2964, 0.3174,
0.1901

192.7749, 0.3178,
0.2670

 5.5959, 0.3157,
0.1688

235.6724, 0.3176,
0.2706

 2.6010, 0.3119,
0.1405

284.5037, 0.3174,

 0.9272, 0.3033,

0.2739

0.1023

339.6534, 0.3173,
0.2768

0.0000, 0.2976,
0.0000

0.0000, 0.0000,
0.0000

53.8416, 0.3186,
0.2392

53.8416, 0.3186,
0.2392

45.7865, 0.3202,
0.2168

63.7179, 0.3169,
0.2632

39.4355, 0.3218,
0.1971

75.5114, 0.3153,
0.2879

34.6674, 0.3232,
0.1810

89.3182, 0.3137,
0.3125

31.3420, 0.3244,
0.1689

100.0000, 0.3127,
0.3290

■ 29.2952, 0.3254,
0.1613

■ 28.3188, 0.3262,
0.1578

■ 28.1343, 0.3264,
0.1572

Harmonies

Analogous

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



53.8416, 0.2477, 0.2161



53.8416, 0.3186, 0.2392



53.8416, 0.3968, 0.2806

Triad

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



53.8416, 0.3186, 0.2392



53.8416, 0.4290, 0.4416



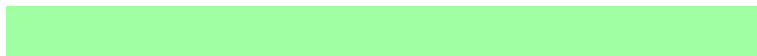
53.8416, 0.1898, 0.2995

Complementary

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



53.8416, 0.3186, 0.2392



81.7426, 0.3064, 0.4389

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.



53.8416, 0.2284, 0.3801



53.8416, 0.3186, 0.2392



53.8416, 0.3659, 0.4702

Square

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



53.8416, 0.3186, 0.2392



53.8416, 0.4631, 0.3898



53.8416, 0.2924, 0.4500



53.8416, 0.1810, 0.2424

Rectangle

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



53.8416, 0.3186, 0.2392



53.8416, 0.4384, 0.3149



53.8416, 0.2924, 0.4500



53.8416, 0.1994, 0.3248

Sweetspot

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



53.8435, 0.3186, 0.2392



83.3523, 0.3144, 0.3024



40.4536, 0.2460, 0.2172



17.4392, 0.3146, 0.2991



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.



53.8435, 0.3186, 0.2392



47.9116, 0.3198, 0.2230



51.2296, 0.3591, 0.2822



18.2933, 0.3141, 0.3061



14.7038, 0.3263, 0.1571



1.4337, 0.3257, 0.1568

Inverse Universe

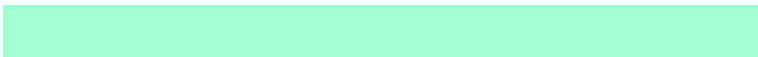
The Inverse Universe completely reimagines the original color for something new.



53.8435, 0.3186, 0.2392



47.9116, 0.3198, 0.2230



83.7295, 0.2828, 0.3817



18.2933, 0.3141, 0.3061



14.7038, 0.3263, 0.1571



1.4337, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 53.8416, 0.3186, 0.2392 looks on a white background.

Color Contrast Check

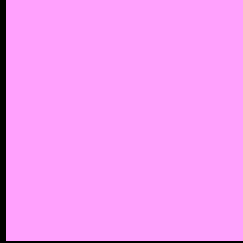
Large Text (above 18pt) WCAG AA × Fail

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 53.8416, 0.3186, 0.2392 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 53.8416, 0.3186, 0.2392

Background



This preview shows how black text looks on a background with the Yxy color 53.8416, 0.3186, 0.2392.



This preview shows how white text looks on a background with the Yxy color 53.8416, 0.3186, 0.2392.

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

53.8416, 0.3186, 0.2392

Protanopia

54.1494, 0.2596, 0.2565

Deuteranopia

54.3532, 0.2694, 0.2635



Tritanopia

53.6771, 0.3662, 0.3141

Trichromacy



Original Color

53.8416, 0.3186, 0.2392



Protanomaly

53.1826, 0.2789, 0.2489



Deuteranomaly

53.2463, 0.2852, 0.2524



Tritanomaly

53.4534, 0.3482, 0.2842

Monochromacy



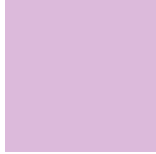
Original Color

53.8416, 0.3186, 0.2392



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

55.4479, 0.3153, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.8416, 0.3186, 0.2392 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, 161, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 253)  
}
```

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, 161, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 253) }
```

Border

The CSS property to change the border of an element to Yxy 53.8416, 0.3186, 0.2392 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, 161, 253) }
```

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

```
.border{ border-color:rgb(255, 161, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 53.8416, 0.3186, 0.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 253) }
```

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

```
.background{ background-color: rgb(255,  
161, 253) }
```

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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