

Converting Colors

$Y_{xy}(62.5685, 0.3564, 0.2460)$

Have a look what the booklet for
Yxy(62.5685, 0.3564, 0.2460)
contains.

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Color

Yxy(52.5297, 0.3180, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	FF9DFE
RGB	255, 157, 254
RGB Percent	100%, 62%, 100%
CMY	0.0000, 0.3844, 0.0038
CMYK	0.00, 0.38, 0.00, 0.00
HSL	301°, 100%, 81%
HSV	301°, 38%, 100%
XYZ	71.2039, 52.5297, 100.1781
YIQ	197.3600, 27.2710, 50.9430

Conversions

Conversions Part 2

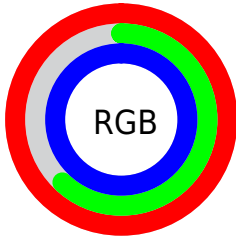
Format	Color
R _Y B	255, 157, 254
Decimal	16752126
CIE _{Lab}	77.60, 50.67, -33.15
CIE _{LCh}	78, 60.553, 326.810
Yxy	52.5297, 0.3180, 0.2346
Android (android.graphics.Color)	4294942206 (0xFFFF9DFE)
YUV	197.3600, 27.9235, 50.5503
Hunter-Lab	72.4774, 48.5283, -31.2164

Details

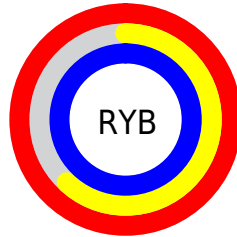
The Yxy color **52.5297, 0.3180, 0.2346** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.1518, 0.3067, 0.4458**, and the grayscale version is **55.8702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0685, 0.3146, 0.2881**, and **25.6020, 0.3181, 0.2146** is the 20% darker color. If you saturate the color by 10%, you get **44.7613, 0.3193, 0.2124**, and if you desaturate by 10%, it is **62.0835, 0.3166, 0.2586**.

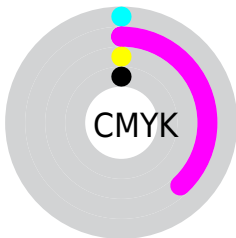
Distribution



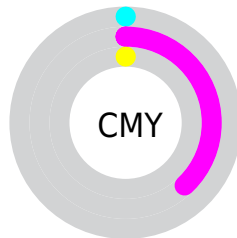
- Red (100%)
- Green (62%)
- Blue (100%)



- 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 52.5297, 0.3180, 0.2346 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 52.5297, 0.3180, 0.2346 by changing the saturation by 10% instead.


 52.5297, 0.3180,
0.2346


 52.5297, 0.3180,
0.2346


396.4781, 0.3169,
0.2768

 37.4275, 0.3179,
0.2254


 93.9120, 0.3179,
0.2489

 25.5386, 0.3177,
0.2143


 120.9608, 0.3178,
0.2546

 16.4788, 0.3171,
0.2006


152.7606, 0.3176,
0.2595

 9.8636, 0.3159,
0.1833

189.6958, 0.3175,
0.2638

 5.3086, 0.3136,
0.1612

232.1507, 0.3173,
0.2676

 2.4295, 0.3089,
0.1321

280.5098, 0.3172,

 0.8410, 0.2986,

0.2710

0.0933

335.1575, 0.3171,
0.2740

0.0000, 0.2869,
0.0000

0.0000, 0.0000,
0.0000

52.5297, 0.3180,
0.2346

52.5297, 0.3180,
0.2346

44.7613, 0.3193,
0.2124

62.0835, 0.3166,
0.2586

38.6878, 0.3205,
0.1931

73.5482, 0.3152,
0.2835

34.1761, 0.3215,
0.1775

87.0117, 0.3138,
0.3084

31.0831, 0.3223,
0.1661

100.0000, 0.3127,
0.3290

■ 29.2394, 0.3230,
0.1590

■ 28.4075, 0.3234,
0.1559

■ 28.3188, 0.3234,
0.1555

Harmonies

Analogous

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



52.5297, 0.2437, 0.2107



52.5297, 0.3180, 0.2346



52.5297, 0.4010, 0.2775

Triad

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



52.5297, 0.3180, 0.2346



52.5297, 0.4349, 0.4463



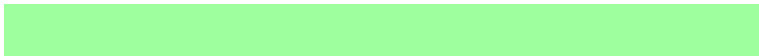
52.5297, 0.1839, 0.2978

Complementary

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



52.5297, 0.3180, 0.2346



81.1518, 0.3067, 0.4458

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.



52.5297, 0.2241, 0.3837



52.5297, 0.3180, 0.2346



52.5297, 0.3684, 0.4783

Square

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



52.5297, 0.3180, 0.2346



52.5297, 0.4713, 0.3912



52.5297, 0.2913, 0.4584



52.5297, 0.1748, 0.2378

Rectangle

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



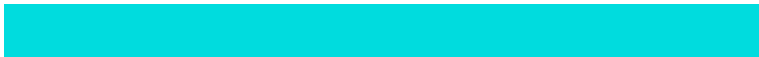
52.5297, 0.3180, 0.2346



52.5297, 0.4453, 0.3132



52.5297, 0.2913, 0.4584



52.5297, 0.1938, 0.3247

Sweetspot

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



52.5222, 0.3180, 0.2346



81.9871, 0.3143, 0.2996



38.4897, 0.2415, 0.2112



17.1678, 0.3145, 0.2964



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.



52.5222, 0.3180, 0.2346



46.4966, 0.3190, 0.2176



49.8200, 0.3602, 0.2785



18.2971, 0.3140, 0.3058



14.7986, 0.3234, 0.1555



1.4419, 0.3231, 0.1554

Inverse Universe

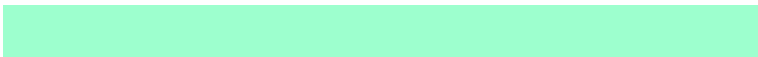
The Inverse Universe completely reimagines the original color for something new.



52.5222, 0.3180, 0.2346



46.4966, 0.3190, 0.2176



83.1408, 0.2826, 0.3864



18.2971, 0.3140, 0.3058



14.7986, 0.3234, 0.1555



1.4419, 0.3231, 0.1554

Previews

White Background



This preview shows how the Yxy color 52.5297, 0.3180, 0.2346 looks on a white background.

Color Contrast Check

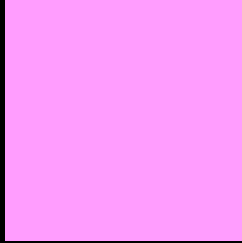
Large Text (above 18pt) WCAG AA × Fail

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 52.5297, 0.3180, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

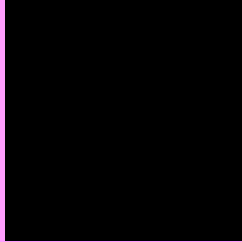
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5297, 0.3180, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 52.5297, 0.3180, 0.2346.



This preview shows how white text looks on a background with the Yxy color 52.5297, 0.3180, 0.2346.

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

52.5297, 0.3180, 0.2346

Protanopia

52.9311, 0.2574, 0.2537

Deuteranopia

52.9963, 0.2665, 0.2606



Tritanopia

52.6007, 0.3685, 0.3151

Trichromacy



Original Color

52.5297, 0.3180, 0.2346



Protanomaly

51.7573, 0.2766, 0.2443



Deuteranomaly

51.7563, 0.2835, 0.2487



Tritanomaly

52.4303, 0.3494, 0.2840

Monochromacy



Original Color

52.5297, 0.3180, 0.2346



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

53.4233, 0.3146, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5297, 0.3180, 0.2346 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, 157, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 157, 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, 157, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 157, 254) }
```

Border

The CSS property to change the border of an element to Yxy 52.5297, 0.3180, 0.2346 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, 157, 254) }
```

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

```
.border{ border-color:rgb(255, 157, 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, 157, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 157, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 157, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 157,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5297, 0.3180, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 157, 254) }
```

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

```
.background{ background-color: rgb(255,  
157, 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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