

Converting Colors

$Y_{xy}(100.0000, 0.4544, 0.2794)$

Have a look what the booklet for
Yxy(100.0000, 0.4544, 0.2794)
contains.

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Color

Yxy(52.1848, 0.3269, 0.2450)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF9EF3 |
| RGB | 255, 158, 243 |
| RGB Percent | 100%, 62%, 95% |
| CMY | 0.0002, 0.3803, 0.0471 |
| CMYK | 0.00, 0.38, 0.05, 0.00 |
| HSL | 307°, 100%, 81% |
| HSV | 307°, 38%, 100% |
| XYZ | 69.6294, 52.1848, 91.1850 |
| YIQ | 196.6930, 30.5270, 46.9990 |

Conversions

Conversions Part 2

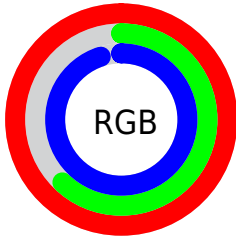
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 255, 158, 243 |
| Decimal | 16752371 |
| CIE Lab | 77.39, 48.19, -27.50 |
| CIE LCh | 77, 55.481, 330.289 |
| Yxy | 52.1848, 0.3269, 0.2450 |
| Android (android.graphics.Color) | 4294942451 (0xFFFF9EF3) |
| YUV | 196.6930, 22.8294, 51.1352 |
| Hunter-Lab | 72.2390, 45.6334, -24.2725 |

Details

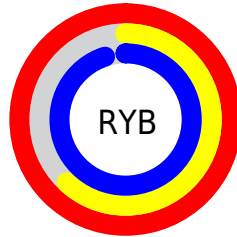
The Yxy color **52.1848, 0.3269, 0.2450** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.6649, 0.3013, 0.4308**, and the grayscale version is **55.4888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **25.3588, 0.3291, 0.2259** is the 20% darker color. If you saturate the color by 10%, you get **44.1822, 0.3315, 0.2245**, and if you desaturate by 10%, it is **61.9995, 0.3226, 0.2670**.

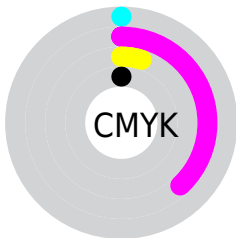
Distribution



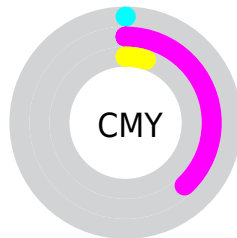
- Red (100%)
- Green (62%)
- Blue (95%)



- Red (100%)
- Yellow (62%)
- Blue (95%)



- Cyan (0%)
- Magenta (38%)
- Yellow (5%)
- Black (0%)




- Cyan (0%)
- Magenta (38%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1848, 0.3269, 0.2450 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 52.1848, 0.3269, 0.2450 by changing the saturation by 10% instead.


 52.1848, 0.3269,
0.2450


 52.1848, 0.3269,
0.2450


395.1496, 0.3212,
0.2830

 37.1524, 0.3280,
0.2366


 93.4037, 0.3251,
0.2580

 25.3255, 0.3292,
0.2263


 120.3590, 0.3244,
0.2631

 16.3197, 0.3305,
0.2136

152.0574, 0.3237,
0.2675

 9.7507, 0.3318,
0.1974

188.8833, 0.3231,
0.2714

 5.2340, 0.3331,
0.1762

231.2211, 0.3226,
0.2748

 2.3852, 0.3337,
0.1476

279.4551, 0.3221,

 0.8183, 0.3319,

0.2779

0.1079

333.9698, 0.3216,
0.2806

0.0000, 0.3389,
0.0000

0.0000, 0.0000,
0.0000

52.1848, 0.3269,
0.2450

52.1848, 0.3269,
0.2450

44.1822, 0.3315,
0.2245

61.9995, 0.3226,
0.2670

37.8722, 0.3363,
0.2063

73.7220, 0.3187,
0.2894

33.1322, 0.3412,
0.1916

87.4496, 0.3152,
0.3117

29.8200, 0.3459,
0.1811

99.9910, 0.3127,
0.3290

■ 27.7678, 0.3505,
0.1750

■ 26.7481, 0.3547,
0.1733

■ 26.6043, 0.3555,
0.1732

Harmonies

Analogous

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



52.1848, 0.2560, 0.2202



52.1848, 0.3269, 0.2450



52.1848, 0.4020, 0.2871

Triad

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



52.1848, 0.3269, 0.2450



52.1848, 0.4206, 0.4434



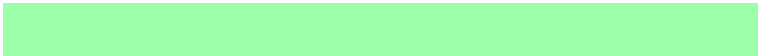
52.1848, 0.1905, 0.2932

Complementary

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



52.1848, 0.3269, 0.2450



81.6649, 0.3013, 0.4308

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.



52.1848, 0.2253, 0.3699



52.1848, 0.3269, 0.2450



52.1848, 0.3573, 0.4666

Square

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



52.1848, 0.3269, 0.2450



52.1848, 0.4574, 0.3947



52.1848, 0.2857, 0.4407



52.1848, 0.1849, 0.2406

Rectangle

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



52.1848, 0.3269, 0.2450



52.1848, 0.4398, 0.3213



52.1848, 0.2857, 0.4407



52.1848, 0.1989, 0.3170

Sweetspot

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



52.1871, 0.3269, 0.2450



83.1697, 0.3162, 0.3051



40.1558, 0.2502, 0.2151



17.3953, 0.3167, 0.3021



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.



52.1871, 0.3269, 0.2450



45.6730, 0.3306, 0.2284



49.6655, 0.3704, 0.2905



18.2595, 0.3157, 0.3084



13.9224, 0.3548, 0.1728



1.3660, 0.3504, 0.1704

Inverse Universe

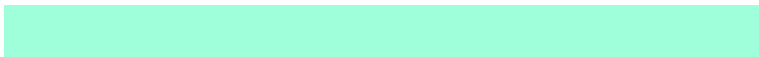
The Inverse Universe completely reimagines the original color for something new.



52.1871, 0.3269, 0.2450



45.6730, 0.3306, 0.2284



83.8141, 0.2772, 0.3719



18.2595, 0.3157, 0.3084



13.9224, 0.3548, 0.1728



1.3660, 0.3504, 0.1704

Previews

White Background



This preview shows how the Yxy color 52.1848, 0.3269, 0.2450 looks on a white background.

Color Contrast Check

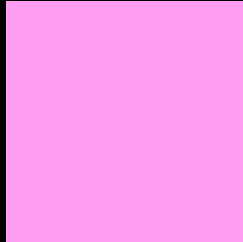
Large Text (above 18pt) WCAG AA × Fail

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 52.1848, 0.3269, 0.2450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

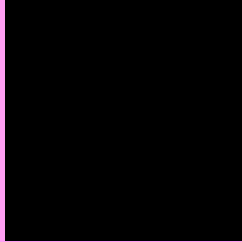
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1848, 0.3269, 0.2450

Background



This preview shows how black text looks on a background with the Yxy color 52.1848, 0.3269, 0.2450.

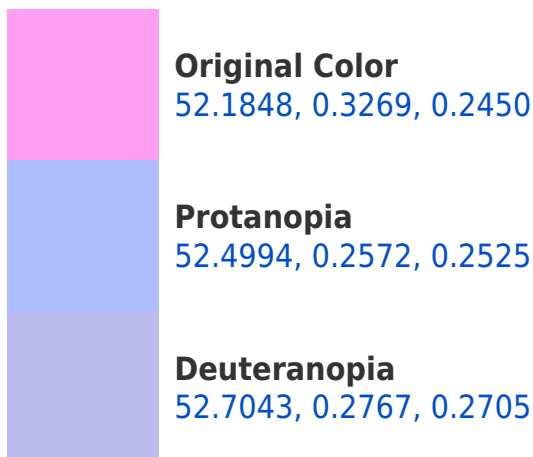


This preview shows how white text looks on a background with the Yxy color 52.1848, 0.3269, 0.2450.

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





Tritanopia

51.9425, 0.3718, 0.3152

Trichromacy



Original Color

52.1848, 0.3269, 0.2450



Protanomaly

51.5023, 0.2792, 0.2481



Deuteranomaly

51.7326, 0.2935, 0.2591



Tritanomaly

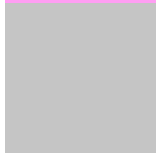
52.0042, 0.3550, 0.2881

Monochromacy



Original Color

52.1848, 0.3269, 0.2450



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

53.6274, 0.3177, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1848, 0.3269, 0.2450 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 243) }
```

Border

The CSS property to change the border of an element to Yxy 52.1848, 0.3269, 0.2450 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, 243) }
```

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

```
.border{ border-color:rgb(255, 158, 243) }
```

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, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 243);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1848, 0.3269, 0.2450 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, 243) }
```

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

```
.background{ background-color: rgb(255,  
158, 243) }
```

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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