

Converting Colors

$Y_{xy}(100.0000, 0.4549, 0.2802)$

Have a look what the booklet for
Yxy(100.0000, 0.4549, 0.2802)
contains.

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Color

Yxy(52.1245, 0.3278, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EF2
RGB	255, 158, 242
RGB Percent	100%, 62%, 95%
CMY	0.0000, 0.3805, 0.0509
CMYK	0.00, 0.38, 0.05, 0.00
HSL	308°, 100%, 81%
HSV	308°, 38%, 100%
XYZ	69.5135, 52.1245, 90.4226
YIQ	196.5790, 30.8480, 46.6880

Conversions

Conversions Part 2

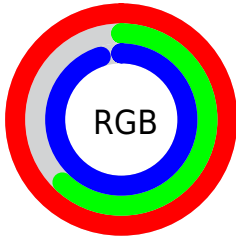
Format	Color
R _Y B	255, 158, 242
Decimal	16752370
CIE Lab	77.36, 48.09, -27.03
CIE LCh	77, 55.169, 330.659
Yxy	52.1245, 0.3278, 0.2458
Android (android.graphics.Color)	4294942450 (0xFFFF9EF2)
YUV	196.5790, 22.3926, 51.2352
Hunter-Lab	72.1973, 45.5193, -23.7189

Details

The Yxy color **52.1245, 0.3278, 0.2458** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.7238, 0.3008, 0.4297**, and the grayscale version is **55.4058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **25.3161, 0.3302, 0.2269** is the 20% darker color. If you saturate the color by 10%, you get **44.0991, 0.3327, 0.2254**, and if you desaturate by 10%, it is **61.9396, 0.3232, 0.2676**.

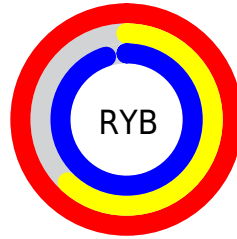
Distribution



Red (100%)

Green (62%)

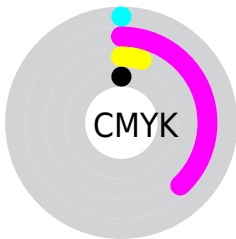
Blue (95%)



Red (100%)

Yellow (62%)

Blue (95%)

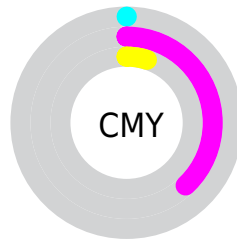


Cyan (0%)

Magenta (38%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1245, 0.3278, 0.2458 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 52.1245, 0.3278, 0.2458 by changing the saturation by 10% instead.


 52.1245, 0.3278,
0.2458


 52.1245, 0.3278,
0.2458


394.9171, 0.3217,
0.2835

 37.1043, 0.3290,
0.2374


 93.3148, 0.3259,
0.2587

 25.2883, 0.3303,
0.2273


 120.2538, 0.3250,
0.2638

 16.2920, 0.3318,
0.2146


151.9344, 0.3243,
0.2681

 9.7310, 0.3335,
0.1985

188.7412, 0.3237,
0.2720

 5.2210, 0.3351,
0.1774

231.0584, 0.3231,
0.2754

 2.3775, 0.3362,
0.1489

279.2705, 0.3226,

 0.8143, 0.3353,

0.2784

0.1091

333.7620, 0.3221,
0.2811

0.0000, 0.3444,
0.0000

0.0000, 0.0000,
0.0000

52.1245, 0.3278,
0.2458

52.1245, 0.3278,
0.2458

44.0991, 0.3327,
0.2254

61.9396, 0.3232,
0.2676

37.7789, 0.3378,
0.2075

73.6751, 0.3190,
0.2898

33.0295, 0.3431,
0.1929

87.4168, 0.3154,
0.3118

29.7084, 0.3482,
0.1824

100.0000, 0.3127,
0.3290

■ 27.6477, 0.3532,
0.1766

■ 26.6189, 0.3578,
0.1750

■ 26.4756, 0.3586,
0.1749

Harmonies

Analogous

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



52.1245, 0.2571, 0.2209



52.1245, 0.3278, 0.2458



52.1245, 0.4023, 0.2879

Triad

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



52.1245, 0.3278, 0.2458



52.1245, 0.4195, 0.4434



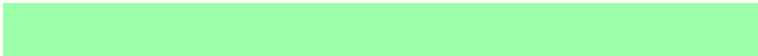
52.1245, 0.1909, 0.2926

Complementary

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



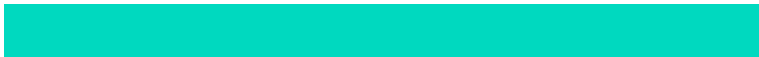
52.1245, 0.3278, 0.2458



81.7238, 0.3008, 0.4297

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.



52.1245, 0.2251, 0.3687



52.1245, 0.3278, 0.2458



52.1245, 0.3563, 0.4659

Square

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



52.1245, 0.3278, 0.2458



52.1245, 0.4565, 0.3952



52.1245, 0.2851, 0.4394



52.1245, 0.1856, 0.2406

Rectangle

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



52.1245, 0.3278, 0.2458



52.1245, 0.4397, 0.3221



52.1245, 0.2851, 0.4394



52.1245, 0.1990, 0.3161

Sweetspot

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



52.1152, 0.3277, 0.2458



83.1516, 0.3164, 0.3054



40.3100, 0.2512, 0.2153



17.3910, 0.3169, 0.3024



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.



52.1152, 0.3277, 0.2458



45.6018, 0.3316, 0.2294



49.5774, 0.3720, 0.2921



18.2561, 0.3159, 0.3087



13.8503, 0.3579, 0.1745



1.3596, 0.3531, 0.1719

Inverse Universe

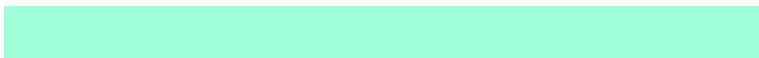
The Inverse Universe completely reimagines the original color for something new.



52.1152, 0.3277, 0.2458



45.6018, 0.3316, 0.2294



83.9225, 0.2764, 0.3700



18.2561, 0.3159, 0.3087



13.8503, 0.3579, 0.1745



1.3596, 0.3531, 0.1719

Previews

White Background



This preview shows how the Yxy color 52.1245, 0.3278, 0.2458 looks on a white background.

Color Contrast Check

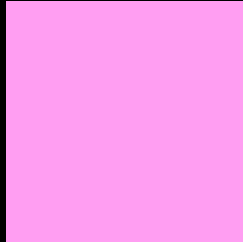
Large Text (above 18pt) WCAG AA × Fail

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 52.1245, 0.3278, 0.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

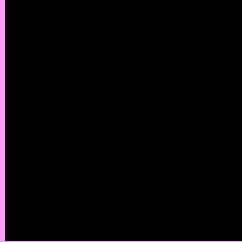
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1245, 0.3278, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 52.1245, 0.3278, 0.2458.



This preview shows how white text looks on a background with the Yxy color 52.1245, 0.3278, 0.2458.

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

52.1245, 0.3278, 0.2458

Protanopia

52.4994, 0.2572, 0.2525

Deuteranopia

52.2199, 0.2772, 0.2704



Tritanopia

52.1248, 0.3727, 0.3152

Trichromacy



Original Color

52.1245, 0.3278, 0.2458



Protanomaly

51.4394, 0.2798, 0.2490



Deuteranomaly

51.2797, 0.2942, 0.2590



Tritanomaly

52.1413, 0.3568, 0.2893

Monochromacy



Original Color

52.1245, 0.3278, 0.2458



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

53.5765, 0.3185, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1245, 0.3278, 0.2458 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 242) }
```

Border

The CSS property to change the border of an element to Yxy 52.1245, 0.3278, 0.2458 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, 242) }
```

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

```
.border{ border-color:rgb(255, 158, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1245, 0.3278, 0.2458 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, 242) }
```

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

```
.background{ background-color: rgb(255,  
158, 242) }
```

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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