

Converting Colors

Yxy(52.4670, 0.3211, 0.2384)

Have a look what the booklet for
Yxy(52.4670, 0.3211, 0.2384)
contains.

Yxy(52.6158, 0.3212, 0.2389)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.6158, 0.3212, 0.2389)

Conversions

Conversions Part 1

Format	Color
Hex	FF9EFA
RGB	255, 158, 250
RGB Percent	100%, 62%, 98%
CMY	0.0000, 0.3805, 0.0195
CMYK	0.00, 0.38, 0.02, 0.00
HSL	303°, 100%, 81%
HSV	303°, 38%, 100%
XYZ	70.7417, 52.6158, 96.8844
YIQ	197.4910, 28.2800, 49.1760

Conversions

Conversions Part 2

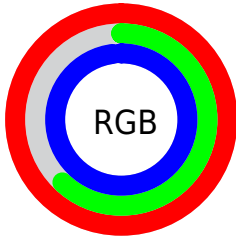
Format	Color
R_{YB}	255, 158, 250
Decimal	16752378
CIE _{Lab}	77.65, 49.47, -30.90
CIE _{LCh}	78, 58.329, 328.006
Yxy	52.6158, 0.3212, 0.2389
Android (android.graphics.Color)	4294942458 (0xFFFF9EFA)
YUV	197.4910, 25.8869, 50.4354
Hunter-Lab	72.5367, 47.1434, -28.4156

Details

The Yxy color **52.6158, 0.3212, 0.2389** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.4283, 0.3048, 0.4395**, and the grayscale version is **55.9628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5731, 0.3146, 0.2891**, and **25.6212, 0.3224, 0.2197** is the 20% darker color. If you saturate the color by 10%, you get **44.7110, 0.3236, 0.2172**, and if you desaturate by 10%, it is **62.3057, 0.3187, 0.2622**.

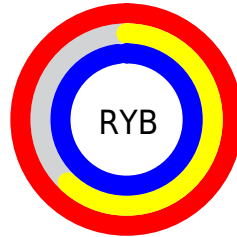
Distribution



Red (100%)

Green (62%)

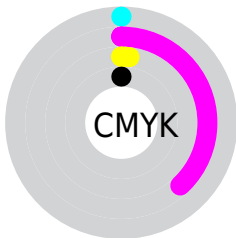
Blue (98%)



Red (100%)

Yellow (62%)

Blue (98%)

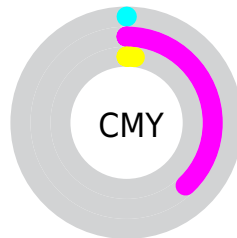


Cyan (0%)

Magenta (38%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (38%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6158, 0.3212, 0.2389 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 52.6158, 0.3212, 0.2389 by changing the saturation by 10% instead.


 52.6158, 0.3212,
0.2389


 52.6158, 0.3212,
0.2389


396.8094, 0.3185,
0.2793

 37.4962, 0.3215,
0.2300


 94.0388, 0.3205,
0.2527

 25.5919, 0.3218,
0.2193


 121.1109, 0.3201,
0.2581

 16.5186, 0.3219,
0.2060


152.9360, 0.3198,
0.2628

 9.8918, 0.3217,
0.1892

189.8984, 0.3195,
0.2669

 5.3273, 0.3206,
0.1675

232.3825, 0.3192,
0.2706

 2.4406, 0.3178,
0.1386

280.7728, 0.3189,

 0.8466, 0.3105,

0.2738

0.0996

335.4536, 0.3187,
0.2767

■ 0.0000, 0.3055,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 52.6158, 0.3212,
0.2389

■ 52.6158, 0.3212,
0.2389

■ 44.7110, 0.3236,
0.2172

■ 62.3057, 0.3187,
0.2622

■ 38.5087, 0.3261,
0.1982

■ 73.9135, 0.3164,
0.2863

■ 33.8740, 0.3284,
0.1828

■ 87.5243, 0.3143,
0.3102

■ 30.6644, 0.3306,
0.1715

100.0000, 0.3127,
0.3290

■ 28.7121, 0.3325,
0.1647

■ 27.7885, 0.3342,
0.1619

■ 27.6653, 0.3345,
0.1616

Harmonies

Analogous

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



52.6158, 0.2486, 0.2148



52.6158, 0.3212, 0.2389



52.6158, 0.4007, 0.2813

Triad

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



52.6158, 0.3212, 0.2389



52.6158, 0.4290, 0.4447



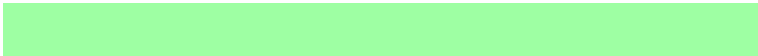
52.6158, 0.1871, 0.2964

Complementary

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



52.6158, 0.3212, 0.2389



81.4283, 0.3048, 0.4395

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.



52.6158, 0.2252, 0.3783



52.6158, 0.3212, 0.2389



52.6158, 0.3642, 0.4731

Square

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



52.6158, 0.3212, 0.2389



52.6158, 0.4652, 0.3923



52.6158, 0.2895, 0.4509



52.6158, 0.1792, 0.2395

Rectangle

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



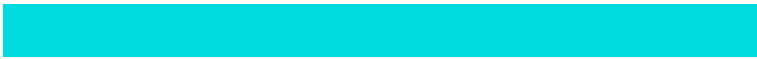
52.6158, 0.3212, 0.2389



52.6158, 0.4423, 0.3163



52.6158, 0.2895, 0.4509



52.6158, 0.1964, 0.3220

Sweetspot

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



52.6058, 0.3211, 0.2389



83.2984, 0.3149, 0.3032



39.4299, 0.2456, 0.2136



17.4262, 0.3152, 0.3000



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.



52.6058, 0.3211, 0.2389



46.1892, 0.3231, 0.2215



49.9494, 0.3642, 0.2839



18.2833, 0.3146, 0.3068



14.4628, 0.3342, 0.1615



1.4129, 0.3326, 0.1606

Inverse Universe

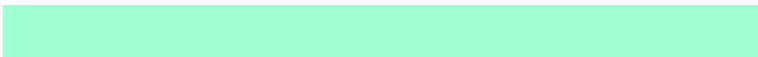
The Inverse Universe completely reimagines the original color for something new.



52.6058, 0.3211, 0.2389



46.1892, 0.3231, 0.2215



83.5058, 0.2804, 0.3798



18.2833, 0.3146, 0.3068



14.4628, 0.3342, 0.1615



1.4129, 0.3326, 0.1606

Previews

White Background



This preview shows how the Yxy color 52.6158, 0.3212, 0.2389 looks on a white background.

Color Contrast Check

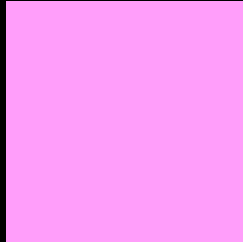
Large Text (above 18pt) WCAG AA × Fail

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 52.6158, 0.3212, 0.2389 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 52.6158, 0.3212, 0.2389

Background



This preview shows how black text looks on a background with the Yxy color 52.6158, 0.3212, 0.2389.



This preview shows how white text looks on a background with the Yxy color 52.6158, 0.3212, 0.2389.

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

52.6158, 0.3212, 0.2389

Protanopia

52.9311, 0.2574, 0.2537

Deuteranopia

53.1172, 0.2709, 0.2651



Tritanopia

52.7820, 0.3694, 0.3152

Trichromacy



Original Color

52.6158, 0.3212, 0.2389



Protanomaly

51.6291, 0.2779, 0.2462



Deuteranomaly

52.1962, 0.2878, 0.2540



Tritanomaly

52.5649, 0.3512, 0.2851

Monochromacy



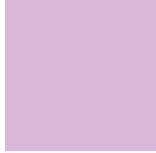
Original Color

52.6158, 0.3212, 0.2389



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

53.7303, 0.3161, 0.2916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6158, 0.3212, 0.2389 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 250) }
```

Border

The CSS property to change the border of an element to Yxy 52.6158, 0.3212, 0.2389 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, 250) }
```

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

```
.border{ border-color:rgb(255, 158, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6158, 0.3212, 0.2389 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
158, 250) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor