

Converting Colors

$Y_{xy}(100.0000, 0.4408, 0.2687)$

Have a look what the booklet for
Yxy(100.0000, 0.4408, 0.2687)
contains.

Yxy(52.2569, 0.3172, 0.2329)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.2569, 0.3172, 0.2329)

Conversions

Conversions Part 1

Format	Color
Hex	FF9CFF
RGB	255, 156, 255
RGB Percent	100%, 61%, 100%
CMY	0.0001, 0.3882, 0.0000
CMYK	0.00, 0.39, 0.00, 0.00
HSL	300°, 100%, 81%
HSV	300°, 39%, 100%
XYZ	71.1717, 52.2569, 100.9462
YIQ	196.8870, 27.2250, 51.7770

Conversions

Conversions Part 2

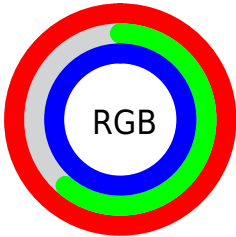
Format	Color
RYB	255, 156, 255
Decimal	16751871
CIELab	77.43, 51.31, -33.92
CIELCh	77, 61.507, 326.527
Yxy	52.2569, 0.3172, 0.2329
Android (android.graphics.Color)	4294941951 (0xFFFF9CFF)
YUV	196.8870, 28.6497, 50.9651
Hunter-Lab	72.2889, 49.2356, -32.1919

Details

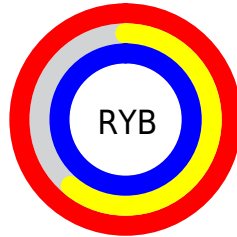
The Yxy color **52.2569, 0.3172, 0.2329** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.9934, 0.3071, 0.4484**, and the grayscale version is **55.5768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5670, 0.3147, 0.2871**, and **25.4503, 0.3171, 0.2125** is the 20% darker color. If you saturate the color by 10%, you get **44.5780, 0.3182, 0.2107**, and if you desaturate by 10%, it is **61.7361, 0.3161, 0.2570**.

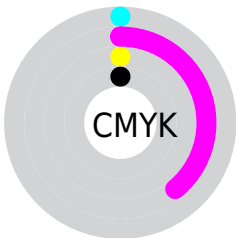
Distribution



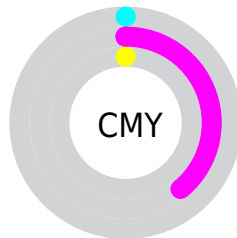
- Red (100%)
- Green (61%)
- Blue (100%)



- Red (100%)
- Yellow (61%)
- Blue (100%)



- Cyan (0%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.2569, 0.3172, 0.2329 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 52.2569, 0.3172, 0.2329 by changing the saturation by 10% instead.


 52.2569, 0.3172,
0.2329


 52.2569, 0.3172,
0.2329


395.4276, 0.3165,
0.2758

 37.2099, 0.3170,
0.2236


 93.5100, 0.3172,
0.2474

 25.3700, 0.3166,
0.2123


 120.4849, 0.3172,
0.2532

 16.3530, 0.3158,
0.1984


152.2045, 0.3171,
0.2582

 9.7743, 0.3144,
0.1809

189.0533, 0.3170,
0.2626

 5.2495, 0.3117,
0.1586

231.4156, 0.3169,
0.2665

 2.3944, 0.3064,
0.1293

279.6758, 0.3168,

 0.8230, 0.2953,

0.2699

0.0905

334.2183, 0.3167,
0.2730

0.0000, 0.2812,
0.0000

0.0000, 0.0000,
0.0000

52.2569, 0.3172,
0.2329

52.2569, 0.3172,
0.2329

44.5780, 0.3182,
0.2107

61.7361, 0.3161,
0.2570

38.5801, 0.3191,
0.1914

73.1130, 0.3149,
0.2821

34.1389, 0.3199,
0.1758

86.4853, 0.3137,
0.3073

31.1107, 0.3204,
0.1645

100.0000, 0.3127,
0.3290

■ 29.3246, 0.3207,
0.1575

■ 28.5336, 0.3208,
0.1544

■ 28.4679, 0.3209,
0.1541

Harmonies

Analogous

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



52.2569, 0.2420, 0.2089



52.2569, 0.3172, 0.2329



52.2569, 0.4018, 0.2762

Triad

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



52.2569, 0.3172, 0.2329



52.2569, 0.4371, 0.4474



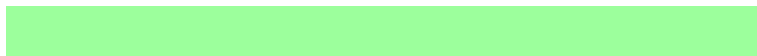
52.2569, 0.1822, 0.2978

Complementary

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



52.2569, 0.3172, 0.2329



80.9934, 0.3071, 0.4484

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.



52.2569, 0.2231, 0.3856



52.2569, 0.3172, 0.2329



52.2569, 0.3697, 0.4808

Square

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



52.2569, 0.3172, 0.2329



52.2569, 0.4739, 0.3912



52.2569, 0.2914, 0.4614



52.2569, 0.1727, 0.2367

Rectangle

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



52.2569, 0.3172, 0.2329



52.2569, 0.4471, 0.3122



52.2569, 0.2914, 0.4614



52.2569, 0.1923, 0.3252

Sweetspot

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



52.2589, 0.3172, 0.2329



82.0051, 0.3141, 0.2993



38.6311, 0.2410, 0.2119



17.1720, 0.3143, 0.2960



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.



52.2589, 0.3172, 0.2329



45.8441, 0.3181, 0.2145



49.5564, 0.3593, 0.2764



18.3002, 0.3138, 0.3056



14.8752, 0.3209, 0.1541



1.4484, 0.3209, 0.1541

Inverse Universe

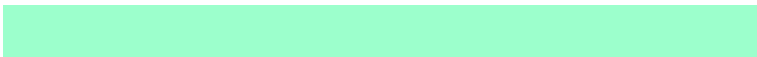
The Inverse Universe completely reimagines the original color for something new.



47.4454, 0.4104, 0.3293



40.3842, 0.4429, 0.3294



82.9428, 0.2831, 0.3891



17.9872, 0.3295, 0.3290



11.1089, 0.6400, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 52.2569, 0.3172, 0.2329 looks on a white background.

Color Contrast Check

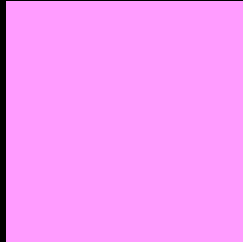
Large Text (above 18pt) WCAG AA × Fail

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 52.2569, 0.3172, 0.2329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

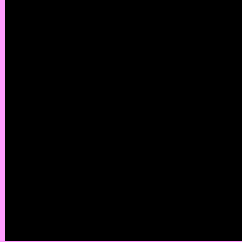
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2569, 0.3172, 0.2329

Background



This preview shows how black text looks on a background with the Yxy color 52.2569, 0.3172, 0.2329.



This preview shows how white text looks on a background with the Yxy color 52.2569, 0.3172, 0.2329.

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

52.2569, 0.3172, 0.2329

Protanopia

52.8176, 0.2568, 0.2536

Deuteranopia

52.3897, 0.2644, 0.2581



Tritanopia

52.1793, 0.3697, 0.3151

Trichromacy



Original Color

52.2569, 0.3172, 0.2329



Protanomaly

51.6173, 0.2759, 0.2441



Deuteranomaly

51.2811, 0.2820, 0.2465



Tritanomaly

52.0653, 0.3496, 0.2829

Monochromacy



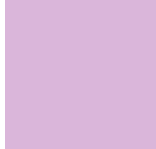
Original Color

52.2569, 0.3172, 0.2329



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 52.2569, 0.3172, 0.2329 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, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 255)  
}
```

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, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.2569, 0.3172, 0.2329 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, 156, 255) }
```

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

```
.border{ border-color:rgb(255, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2569, 0.3172, 0.2329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 255) }
```

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

```
.background{ background-color: rgb(255,  
156, 255) }
```

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