

Converting Colors

$Y_{xy}(52.1076, 0.3005, 0.2592)$

Have a look what the booklet for
Yxy(52.1076, 0.3005, 0.2592)
contains.

Yxy(52.1076, 0.3005, 0.2592)	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(52.1076, 0.3005, 0.2592)

Conversions

Conversions Part 1

Format	Color
Hex	DCAFEF
RGB	220, 175, 239
RGB Percent	86%, 69%, 94%
CMY	0.1375, 0.3136, 0.0628
CMYK	0.08, 0.27, 0.00, 0.06
HSL	282°, 67%, 81%
HSV	282°, 27%, 94%
XYZ	60.4102, 52.1076, 88.5146
YIQ	195.7510, 6.2760, 29.4440

Conversions

Conversions Part 2

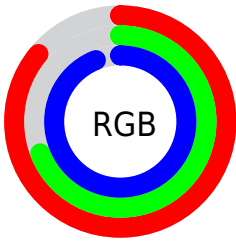
Format	Color
R _Y B	220, 175, 239
Decimal	14462959
CIE Lab	77.35, 27.54, -25.72
CIE LCh	77, 37.684, 316.962
Yxy	52.1076, 0.3005, 0.2592
Android (android.graphics.Color)	4292653039 (0xFFDCAFEF)
YUV	195.7510, 21.3218, 21.2664
Hunter-Lab	72.1856, 23.0572, -22.1720

Details

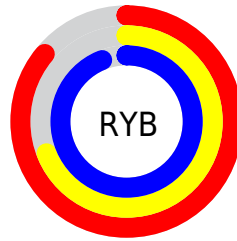
The Yxy color **52.1076, 0.3005, 0.2592** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **76.2910, 0.3216, 0.4031**, and the grayscale version is **54.9112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6318, 0.3138, 0.3058**, and **25.2305, 0.2961, 0.2424** is the 20% darker color. If you saturate the color by 10%, you get **42.5285, 0.2945, 0.2317**, and if you desaturate by 10%, it is **63.3845, 0.3057, 0.2863**.

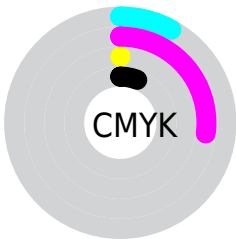
Distribution



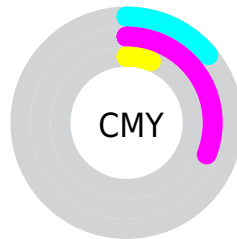
- Red (86%)
- Green (69%)
- Blue (94%)



- Red (86%)
- Yellow (69%)
- Blue (94%)



- Cyan (8%)
- Magenta (27%)
- Yellow (0%)
- Black (6%)




- Cyan (14%)
- Magenta (31%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1076, 0.3005, 0.2592 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 52.1076, 0.3005, 0.2592 by changing the saturation by 10% instead.

 52.1076, 0.3005,
0.2592

 52.1076, 0.3005,
0.2592


394.8519, 0.3071,
0.2915

 37.0908, 0.2988,
0.2519


 93.2899, 0.3030,
0.2704

 25.2778, 0.2965,
0.2428


120.2243, 0.3039,
0.2748

 16.2842, 0.2934,
0.2314


151.8999, 0.3046,
0.2785

 9.7255, 0.2891,
0.2166

188.7013, 0.3053,
0.2818

 5.2173, 0.2826,
0.1968

231.0128, 0.3058,
0.2847

 2.3753, 0.2722,
0.1692

279.2188, 0.3063,

 0.8132, 0.2533,

0.2872

0.1286

333.7037, 0.3067,
0.2895

0.0000, 0.1997,
0.0000

0.0000, 0.0000,
0.0000

52.1076, 0.3005,
0.2592

52.1076, 0.3005,
0.2592

42.5285, 0.2945,
0.2317

63.3845, 0.3057,
0.2863

34.5531, 0.2876,
0.2046

76.4334, 0.3102,
0.3123

28.0884, 0.2801,
0.1792

91.3322, 0.3138,
0.3367

23.0287, 0.2722,
0.1566

97.7782, 0.3179,
0.3446

■ 19.2544, 0.2640,
0.1380

■ 99.0105, 0.3220,
0.3444

■ 16.6256, 0.2559,
0.1241

■ 14.9647, 0.2481,
0.1151

■ 14.5415, 0.2457,
0.1127

Harmonies

Analogous

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



52.1076, 0.2559, 0.2483



52.1076, 0.3005, 0.2592



52.1076, 0.3523, 0.2852

Triad

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



52.1076, 0.3005, 0.2592



52.1076, 0.4027, 0.3980



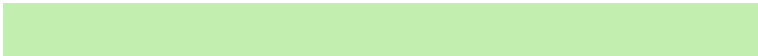
52.1076, 0.2356, 0.3284

Complementary

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



52.1076, 0.3005, 0.2592



76.2910, 0.3216, 0.4031

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.



52.1076, 0.2703, 0.3790



52.1076, 0.3005, 0.2592



52.1076, 0.3670, 0.4195

Square

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



52.1076, 0.3005, 0.2592



52.1076, 0.4140, 0.3617



52.1076, 0.3183, 0.4142



52.1076, 0.2209, 0.2834

Rectangle

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



52.1076, 0.3005, 0.2592



52.1076, 0.3831, 0.3087



52.1076, 0.3183, 0.4142



52.1076, 0.2451, 0.3456

Sweetspot

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



52.1098, 0.3005, 0.2592



86.5348, 0.3096, 0.3091



54.0265, 0.2685, 0.2758



18.0132, 0.3090, 0.3052



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.



52.1098, 0.3005, 0.2592



54.2035, 0.2974, 0.2445



54.5190, 0.3260, 0.2748



15.7816, 0.3090, 0.3054



8.1091, 0.2469, 0.1134



0.7259, 0.2569, 0.1189

Inverse Universe

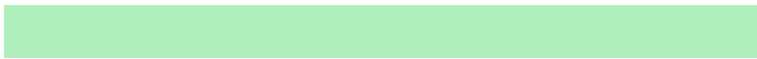
The Inverse Universe completely reimagines the original color for something new.



52.9154, 0.3534, 0.3082



55.3631, 0.3645, 0.3039



74.4585, 0.3018, 0.3901



15.8362, 0.3246, 0.3220



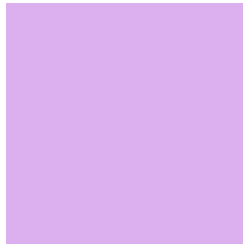
10.4133, 0.5770, 0.2952



0.8831, 0.5397, 0.2747

Previews

White Background



This preview shows how the Yxy color 52.1076, 0.3005, 0.2592 looks on a white background.

Color Contrast Check

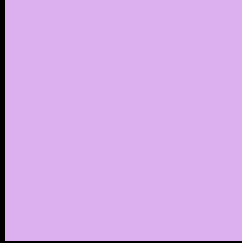
Large Text (above 18pt) WCAG AA × Fail

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 52.1076, 0.3005, 0.2592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

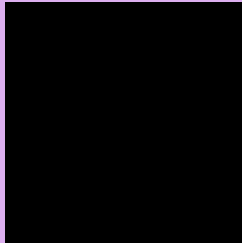
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.1076, 0.3005, 0.2592

Background



This preview shows how black text looks on a background with the Yxy color 52.1076, 0.3005, 0.2592.



This preview shows how white text looks on a background with the Yxy color 52.1076, 0.3005, 0.2592.

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

52.1076, 0.3005, 0.2592

Protanopia

52.3487, 0.2619, 0.2588

Deuteranopia

52.2199, 0.2772, 0.2704



Tritanopia

52.1943, 0.3279, 0.3126

Trichromacy



Original Color

52.1076, 0.3005, 0.2592



Protanomaly

51.9499, 0.2748, 0.2590



Deuteranomaly

52.1821, 0.2851, 0.2661



Tritanomaly

51.9949, 0.3178, 0.2923

Monochromacy



Original Color

52.1076, 0.3005, 0.2592



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.6990, 0.3084, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.1076, 0.3005, 0.2592 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(220, 175, 239)` looks like.

```
.text, #text, p{  
    color:rgb(220, 175, 239)  
}
```

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(220, 175, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 175, 239) }
```

Border

The CSS property to change the border of an element to Yxy 52.1076, 0.3005, 0.2592 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(220, 175, 239) }
```

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

```
.border{ border-color:rgb(220, 175, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 175, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 175, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 175, 239);  
box-shadow:4px 4px 4px 4px rgb(220, 175,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 52.1076, 0.3005, 0.2592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 175, 239) }
```

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

```
.background{ background-color: rgb(220,  
175, 239) }
```

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