

Converting Colors

$Y_{xy}(52.1797, 0.3037, 0.2668)$

Have a look what the booklet for
Yxy(52.1797, 0.3037, 0.2668)
contains.

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Color

Yxy(52.2329, 0.3034, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	DAB1E9
RGB	218, 177, 233
RGB Percent	85%, 69%, 91%
CMY	0.1449, 0.3059, 0.0863
CMYK	0.06, 0.24, 0.00, 0.09
HSL	284°, 56%, 80%
HSV	284°, 24%, 91%
XYZ	59.3538, 52.2329, 84.0421
YIQ	195.6430, 6.4600, 26.1080

Conversions

Conversions Part 2

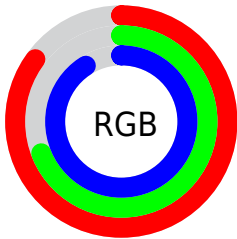
Format	Color
RYB	218, 177, 233
Decimal	14332393
CIELab	77.42, 24.70, -22.39
CIElCh	77, 33.339, 317.807
Yxy	52.2329, 0.3034, 0.2670
Android (android.graphics.Color)	4292522473 (0xFFDAB1E9)
YUV	195.6430, 18.4170, 19.6071
Hunter-Lab	72.2723, 20.1169, -18.3550

Details

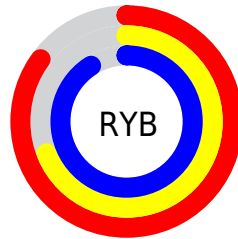
The Yxy color $52.2329, 0.3034, 0.2670$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $72.6485, 0.3196, 0.3949$, and the grayscale version is $54.8654, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.7578, 0.3137, 0.3078$, and $25.3762, 0.3009, 0.2524$ is the 20% darker color. If you saturate the color by 10%, you get $42.8630, 0.2983, 0.2398$, and if you desaturate by 10%, it is $63.2146, 0.3078, 0.2937$.

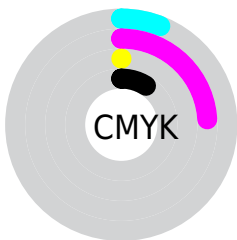
Distribution



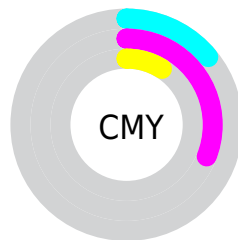
- Red (85%)
- Green (69%)
- Blue (91%)



- Red (85%)
- Yellow (69%)
- Blue (91%)



- Cyan (6%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)




- Cyan (14%)
- Magenta (31%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2329, 0.3034, 0.2670 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 52.2329, 0.3034, 0.2670 by changing the saturation by 10% instead.


 52.2329, 0.3034,
0.2670

 52.2329, 0.3034,
0.2670


395.3351, 0.3085,
0.2959

 37.1907, 0.3021,
0.2604


 93.4746, 0.3053,
0.2771

 25.3552, 0.3003,
0.2522

120.4430, 0.3060,
0.2810

 16.3419, 0.2979,
0.2418


152.1556, 0.3066,
0.2843

 9.7664, 0.2945,
0.2282

188.9967, 0.3071,
0.2873

 5.2444, 0.2893,
0.2098

231.3508, 0.3075,
0.2898

 2.3913, 0.2807,
0.1837

279.6023, 0.3079,

 0.8214, 0.2648,

0.2921

0.1442

334.1356, 0.3082,
0.2941

0.0000, 0.2051,
0.0000

0.0000, 0.0000,
0.0000

52.2329, 0.3034,
0.2670

52.2329, 0.3034,
0.2670

42.8630, 0.2983,
0.2398

63.2146, 0.3078,
0.2937

35.0180, 0.2925,
0.2130

75.8758, 0.3114,
0.3191

28.6128, 0.2860,
0.1876

90.2886, 0.3144,
0.3430

23.5514, 0.2790,
0.1647

96.4440, 0.3179,
0.3508

■ 19.7256, 0.2718,
0.1456

■ 97.5688, 0.3218,
0.3505

■ 17.0102, 0.2645,
0.1309

■ 98.6631, 0.3256,
0.3503

■ 15.2528, 0.2574,
0.1210

■ 14.5202, 0.2533,
0.1169

Harmonies

Analogous

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



52.2329, 0.2632, 0.2569



52.2329, 0.3034, 0.2670



52.2329, 0.3491, 0.2908

Triad

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



52.2329, 0.3034, 0.2670



52.2329, 0.3920, 0.3916



52.2329, 0.2434, 0.3277

Complementary

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



52.2329, 0.3034, 0.2670



72.6485, 0.3196, 0.3949

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.



52.2329, 0.2743, 0.3717



52.2329, 0.3034, 0.2670



52.2329, 0.3601, 0.4092

Square

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



52.2329, 0.3034, 0.2670



52.2329, 0.4023, 0.3599



52.2329, 0.3168, 0.4031



52.2329, 0.2306, 0.2881

Rectangle

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



52.2329, 0.3034, 0.2670



52.2329, 0.3758, 0.3121



52.2329, 0.3168, 0.4031



52.2329, 0.2519, 0.3426

Sweetspot

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



52.2351, 0.3034, 0.2670



88.2429, 0.3104, 0.3117



53.3051, 0.2733, 0.2808



18.6812, 0.3102, 0.3101



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.



52.2351, 0.3034, 0.2670



57.9952, 0.3009, 0.2531



53.9754, 0.3252, 0.2815



15.0999, 0.3095, 0.3055



8.3029, 0.2543, 0.1175



0.6985, 0.2639, 0.1227

Inverse Universe

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



52.5652, 0.3496, 0.3124



58.5351, 0.3601, 0.3086



71.3017, 0.3023, 0.3818



15.1201, 0.3251, 0.3227



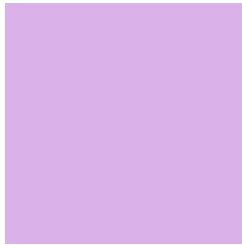
10.0458, 0.5872, 0.3009



0.8044, 0.5479, 0.2792

Previews

White Background



This preview shows how the Yxy color 52.2329, 0.3034, 0.2670 looks on a white background.

Color Contrast Check

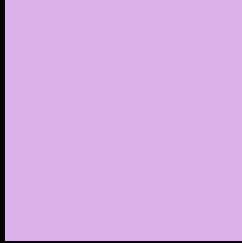
Large Text (above 18pt) WCAG AA × Fail

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 52.2329, 0.3034, 0.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

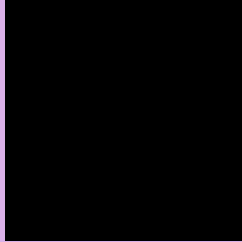
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.2329, 0.3034, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 52.2329, 0.3034, 0.2670.



This preview shows how white text looks on a background with the Yxy color 52.2329, 0.3034, 0.2670.

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

52.2329, 0.3034, 0.2670

Protanopia

52.3897, 0.2687, 0.2666

Deuteranopia

52.2573, 0.2834, 0.2771



Tritanopia

52.0903, 0.3262, 0.3114

Trichromacy



Original Color

52.2329, 0.3034, 0.2670

Protanomaly

52.2674, 0.2801, 0.2666

Deuteranomaly

51.9725, 0.2900, 0.2725

Tritanomaly

52.1980, 0.3177, 0.2945

Monochromacy



Original Color

52.2329, 0.3034, 0.2670

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

53.8360, 0.3098, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.2329, 0.3034, 0.2670 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(218, 177, 233)` looks like.

```
.text, #text, p{  
    color:rgb(218, 177, 233)  
}
```

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(218, 177, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 177, 233) }
```

Border

The CSS property to change the border of an element to Yxy 52.2329, 0.3034, 0.2670 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(218, 177, 233) }
```

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

```
.border{ border-color:rgb(218, 177, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 177, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 177, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 177, 233);  
box-shadow:4px 4px 4px 4px rgb(218, 177,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 52.2329, 0.3034, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 177, 233) }
```

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

```
.background{ background-color: rgb(218,  
177, 233) }
```

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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