

Converting Colors

$Y_{xy}(52.4185, 0.2800, 0.2306)$

Have a look what the booklet for
Yxy(52.4185, 0.2800, 0.2306)
contains.

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Color

Yxy(51.6305, 0.2875, 0.2405)

Conversions

Conversions Part 1

Format	Color
Hex	DAACFF
RGB	218, 172, 255
RGB Percent	85%, 67%, 100%
CMY	0.1450, 0.3255, 0.0000
CMYK	0.15, 0.33, 0.00, 0.00
HSL	273°, 100%, 84%
HSV	273°, 33%, 100%
XYZ	61.7205, 51.6305, 101.3289
YIQ	195.2160, 0.7730, 35.5650

Conversions

Conversions Part 2

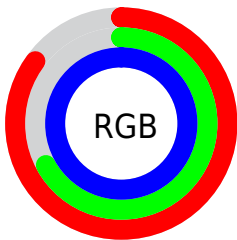
Format	Color
R _Y B	218, 172, 255
Decimal	14331135
CIE Lab	77.06, 31.86, -34.82
CIE LCh	77, 47.194, 312.462
Yxy	51.6305, 0.2875, 0.2405
Android (android.graphics.Color)	4292521215 (0xFFDAACFF)
YUV	195.2160, 29.4735, 19.9816
Hunter-Lab	71.8544, 27.5803, -33.3126

Details

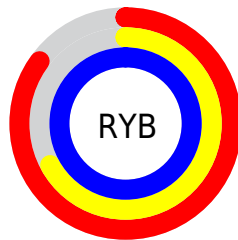
The Yxy color **51.6305, 0.2875, 0.2405** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.0509, 0.3311, 0.4195**, and the grayscale version is **54.5306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9668, 0.3139, 0.3029**, and **24.9523, 0.2799, 0.2204** is the 20% darker color. If you saturate the color by 10%, you get **41.1471, 0.2773, 0.2111**, and if you desaturate by 10%, it is **64.0990, 0.2966, 0.2694**.

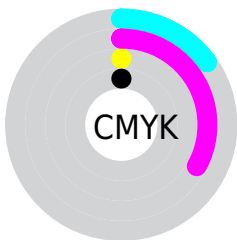
Distribution



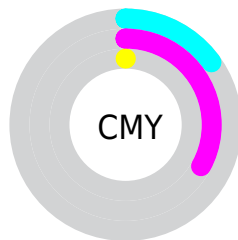
- Red (85%)
- Green (67%)
- Blue (100%)



- Red (85%)
- Yellow (67%)
- Blue (100%)



- Cyan (15%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (15%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6305, 0.2875, 0.2405 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 51.6305, 0.2875, 0.2405 by changing the saturation by 10% instead.


 51.6305, 0.2875,
0.2405

 51.6305, 0.2875,
0.2405


393.0085, 0.3006,
0.2808

 36.7106, 0.2842,
0.2315


 92.5861, 0.2923,
0.2543

 24.9835, 0.2800,
0.2206


119.3906, 0.2941,
0.2598

 16.0648, 0.2744,
0.2070


150.9254, 0.2956,
0.2644

 9.5700, 0.2667,
0.1897

187.5750, 0.2969,
0.2686

 5.1148, 0.2556,
0.1672

229.7237, 0.2980,
0.2722

 2.3148, 0.2388,
0.1371

277.7559, 0.2990,

 0.7815, 0.2111,

0.2754

0.0959

332.0560, 0.2998,
0.2783

0.0000, 0.1544,
0.0000

0.0000, 0.0000,
0.0000

51.6305, 0.2875,
0.2405

51.6305, 0.2875,
0.2405

41.1471, 0.2773,
0.2111

64.0990, 0.2966,
0.2694

32.5352, 0.2661,
0.1824

78.6489, 0.3045,
0.2970

25.6761, 0.2542,
0.1556

95.3754, 0.3112,
0.3228

20.4351, 0.2421,
0.1324

100.0000, 0.3127,
0.3290

■ 16.6572, 0.2302,
0.1138

■ 14.1550, 0.2191,
0.1006

■ 12.9162, 0.2115,
0.0939

Harmonies

Analogous

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



51.6305, 0.2357, 0.2300



51.6305, 0.2875, 0.2405



51.6305, 0.3522, 0.2694

Triad

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



51.6305, 0.2875, 0.2405



51.6305, 0.4288, 0.4064



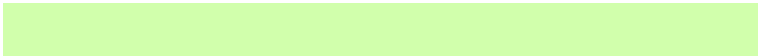
51.6305, 0.2220, 0.3368

Complementary

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



51.6305, 0.2875, 0.2405



88.0509, 0.3311, 0.4195

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.



51.6305, 0.2672, 0.4017



51.6305, 0.2875, 0.2405



51.6305, 0.3869, 0.4397

Square

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



51.6305, 0.2875, 0.2405



51.6305, 0.4388, 0.3596



51.6305, 0.3275, 0.4417



51.6305, 0.2011, 0.2779

Rectangle

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



51.6305, 0.2875, 0.2405



51.6305, 0.3931, 0.2963



51.6305, 0.3275, 0.4417



51.6305, 0.2346, 0.3592

Sweetspot

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



51.6319, 0.2875, 0.2405



82.7041, 0.3063, 0.3038



61.7624, 0.2596, 0.2767



17.2200, 0.3053, 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.



51.6319, 0.2875, 0.2405



44.6491, 0.2810, 0.2216



57.7195, 0.3197, 0.2515



17.8743, 0.3066, 0.3051



6.8390, 0.2131, 0.0948



0.7307, 0.2247, 0.1012

Inverse Universe

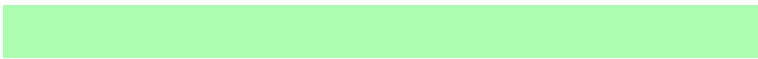
The Inverse Universe completely reimagines the original color for something new.



55.3664, 0.3547, 0.2909



49.0498, 0.3664, 0.2832



83.4307, 0.3060, 0.4211



18.1216, 0.3224, 0.3185



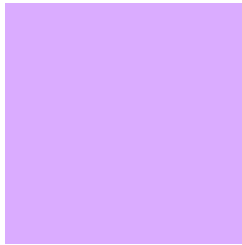
11.7681, 0.5195, 0.2635



1.1674, 0.4912, 0.2480

Previews

White Background



This preview shows how the Yxy color 51.6305, 0.2875, 0.2405 looks on a white background.

Color Contrast Check

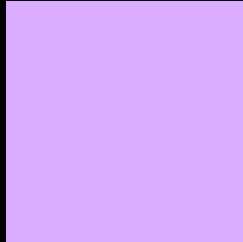
Large Text (above 18pt) WCAG AA × Fail

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 51.6305, 0.2875, 0.2405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

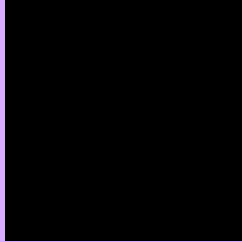
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6305, 0.2875, 0.2405

Background



This preview shows how black text looks on a background with the Yxy color 51.6305, 0.2875, 0.2405.



This preview shows how white text looks on a background with the Yxy color 51.6305, 0.2875, 0.2405.

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

51.6305, 0.2875, 0.2405

Protanopia

51.8444, 0.2558, 0.2511

Deuteranopia

51.6829, 0.2599, 0.2534



Tritanopia

51.4995, 0.3228, 0.3112

Trichromacy



Original Color

51.6305, 0.2875, 0.2405



Protanomaly

51.3673, 0.2663, 0.2464



Deuteranomaly

51.6241, 0.2696, 0.2488

Tritanomaly

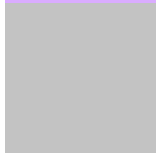
51.3517, 0.3091, 0.2831

Monochromacy



Original Color

51.6305, 0.2875, 0.2405



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

53.2469, 0.3031, 0.2939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6305, 0.2875, 0.2405 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, 172, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 172, 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(218, 172, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 172, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.6305, 0.2875, 0.2405 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, 172, 255) }
```

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

```
.border{ border-color:rgb(218, 172, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 172, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 172, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 172, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 172,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6305, 0.2875, 0.2405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 172, 255) }
```

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

```
.background{ background-color: rgb(218,  
172, 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](#).

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