

Converting Colors

$Y_{xy}(45.1180, 0.3009, 0.2511)$

Have a look what the booklet for
Yxy(45.1180, 0.3009, 0.2511)
contains.

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Color

Yxy(45.2000, 0.3008, 0.2510)

Conversions

Conversions Part 1

Format	Color
Hex	D4A1E6
RGB	212, 161, 230
RGB Percent	83%, 63%, 90%
CMY	0.1688, 0.3685, 0.0981
CMYK	0.08, 0.30, 0.00, 0.10
HSL	284°, 58%, 77%
HSV	284°, 30%, 90%
XYZ	54.1680, 45.2000, 80.7117
YIQ	184.1150, 8.2470, 32.2710

Conversions

Conversions Part 2

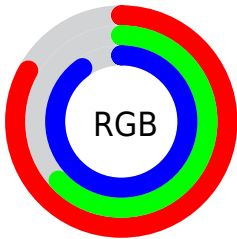
Format	Color
R _Y B	212, 161, 230
Decimal	13935078
CIE Lab	73.02, 30.82, -27.52
CIE LCh	73, 41.318, 318.245
Yxy	45.2000, 0.3008, 0.2510
Android (android.graphics.Color)	4292125158 (0xFFD4A1E6)
YUV	184.1150, 22.6213, 24.4551
Hunter-Lab	67.2309, 26.1633, -24.1168

Details

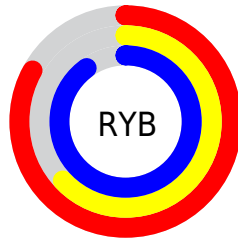
The Yxy color $45.2000, 0.3008, 0.2510$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $68.7403, 0.3207, 0.4135$, and the grayscale version is $47.8688, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5917, 0.3145, 0.2910$, and $21.1614, 0.2972, 0.2329$ is the 20% darker color. If you saturate the color by 10%, you get $37.0123, 0.2954, 0.2240$, and if you desaturate by 10%, it is $54.9029, 0.3055, 0.2780$.

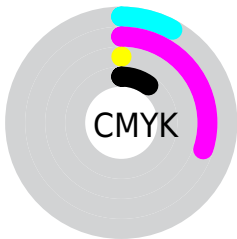
Distribution



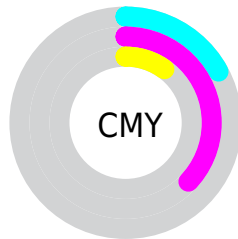
- Red (83%)
- Green (63%)
- Blue (90%)



- Red (83%)
- Yellow (63%)
- Blue (90%)



- Cyan (8%)
- Magenta (30%)
- Yellow (0%)
- Black (10%)





- Cyan (17%)
- Magenta (37%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2000, 0.3008, 0.2510 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 45.2000, 0.3008, 0.2510 by changing the saturation by 10% instead.


 45.2000, 0.3008,
0.2510

 45.2000, 0.3008,
0.2510


367.5830, 0.3076,
0.2877

 31.6150, 0.2989,
0.2425


 83.0205, 0.3034,
0.2638

 21.0676, 0.2964,
0.2320


 108.0247, 0.3043,
0.2688

 13.1734, 0.2930,
0.2187


137.6041, 0.3051,
0.2731

 7.5481, 0.2880,
0.2014

172.1431, 0.3058,
0.2768

 3.8072, 0.2802,
0.1779

212.0261, 0.3063,
0.2800

 1.5663, 0.2669,
0.1451

257.6375, 0.3068,

 0.3347, 0.2474,

0.2829

0.0758

309.3616, 0.3072,
0.2854

0.0000, 0.0166,
0.0000

0.0000, 0.0000,
0.0000

45.2000, 0.3008,
0.2510

45.2000, 0.3008,
0.2510

37.0123, 0.2954,
0.2240

54.9029, 0.3055,
0.2780

30.2527, 0.2893,
0.1980

66.1906, 0.3094,
0.3042

24.8336, 0.2827,
0.1740

79.1352, 0.3127,
0.3290

20.6557, 0.2758,
0.1534

93.8026, 0.3154,
0.3522

■ 17.6053, 0.2686,
0.1369

■ 96.1085, 0.3191,
0.3539

■ 15.5473, 0.2616,
0.1252

■ 97.1889, 0.3229,
0.3536

■ 14.2494, 0.2548,
0.1177

■ 98.3046, 0.3267,
0.3533

■ 14.2471, 0.2547,
0.1177

■ 98.4916, 0.3274,
0.3533

Harmonies

Analogous

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



45.2000, 0.2496, 0.2378



45.2000, 0.3008, 0.2510



45.2000, 0.3604, 0.2808

Triad

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



45.2000, 0.3008, 0.2510



45.2000, 0.4142, 0.4083



45.2000, 0.2236, 0.3251

Complementary

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



45.2000, 0.3008, 0.2510



68.7403, 0.3207, 0.4135

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.



45.2000, 0.2617, 0.3846



45.2000, 0.3008, 0.2510



45.2000, 0.3718, 0.4335

Square

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



45.2000, 0.3008, 0.2510



45.2000, 0.4292, 0.3669



45.2000, 0.3158, 0.4271



45.2000, 0.2086, 0.2743

Rectangle

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



45.2000, 0.3008, 0.2510



45.2000, 0.3956, 0.3072



45.2000, 0.3158, 0.4271



45.2000, 0.2339, 0.3451

Sweetspot

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



45.2019, 0.3008, 0.2510



85.1021, 0.3098, 0.3066



45.6966, 0.2625, 0.2654



17.7348, 0.3092, 0.3028



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.



45.2019, 0.3008, 0.2510



50.4781, 0.2975, 0.2341



47.1662, 0.3299, 0.2706



14.4159, 0.3096, 0.3055



8.1301, 0.2558, 0.1183



0.6450, 0.2657, 0.1237

Inverse Universe

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



45.5731, 0.3622, 0.3085



51.1209, 0.3769, 0.3041



67.3370, 0.2992, 0.3955



14.4295, 0.3251, 0.3229



9.7264, 0.5888, 0.3017



0.7337, 0.5473, 0.2789

Previews

White Background



This preview shows how the Yxy color 45.2000, 0.3008, 0.2510 looks on a white background.

Color Contrast Check

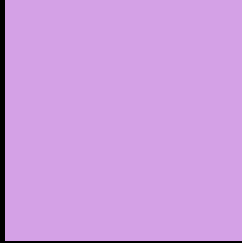
Large Text (above 18pt) WCAG AA × Fail

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 45.2000, 0.3008, 0.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

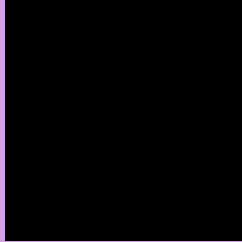
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2000, 0.3008, 0.2510

Background



This preview shows how black text looks on a background with the Yxy color 45.2000, 0.3008, 0.2510.



This preview shows how white text looks on a background with the Yxy color 45.2000, 0.3008, 0.2510.

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

45.2000, 0.3008, 0.2510

Protanopia

45.4322, 0.2549, 0.2493

Deuteranopia

45.3674, 0.2718, 0.2657



Tritanopia

45.1475, 0.3335, 0.3130

Trichromacy



Original Color

45.2000, 0.3008, 0.2510

Protanomaly

45.0022, 0.2700, 0.2489

Deuteranomaly

45.2921, 0.2821, 0.2604

Tritanomaly

45.2175, 0.3218, 0.2895

Monochromacy



Original Color

45.2000, 0.3008, 0.2510

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.7370, 0.3082, 0.2981

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2000, 0.3008, 0.2510 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(212, 161, 230)` looks like.

```
.text, #text, p{  
    color:rgb(212, 161, 230)  
}
```

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(212, 161, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 161, 230) }
```

Border

The CSS property to change the border of an element to Yxy 45.2000, 0.3008, 0.2510 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(212, 161, 230) }
```

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

```
.border{ border-color:rgb(212, 161, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 161, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 161, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 161, 230);  
box-shadow:4px 4px 4px 4px rgb(212, 161,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2000, 0.3008, 0.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 161, 230) }
```

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

```
.background{ background-color: rgb(212,  
161, 230) }
```

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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