

Converting Colors

$Y_{xy}(44.0358, 0.3122, 0.2499)$

Have a look what the booklet for
Yxy(44.0358, 0.3122, 0.2499)
contains.

Yxy(43.9196, 0.3128, 0.2500)	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(43.9196, 0.3128, 0.2500)

Conversions

Conversions Part 1

Format	Color
Hex	DD9AE1
RGB	221, 154, 225
RGB Percent	87%, 60%, 88%
CMY	0.1335, 0.3960, 0.1177
CMYK	0.02, 0.32, 0.00, 0.12
HSL	297°, 54%, 74%
HSV	297°, 32%, 88%
XYZ	54.9522, 43.9196, 76.8066
YIQ	182.1270, 17.1410, 36.2850

Conversions

Conversions Part 2

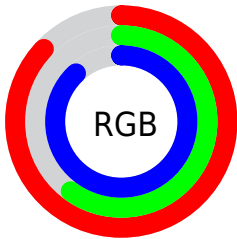
Format	Color
RYB	221, 154, 225
Decimal	14523105
CIELab	72.17, 36.47, -26.01
CIELCh	72, 44.797, 324.504
Yxy	43.9196, 0.3128, 0.2500
Android (android.graphics.Color)	4292713185 (0xFFDD9AE1)
YUV	182.1270, 21.1364, 34.0916
Hunter-Lab	66.2719, 32.0353, -22.3246

Details

The Yxy color $43.9196, 0.3128, 0.2500$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $63.4547, 0.3110, 0.4211$, and the grayscale version is $46.7282, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.0809, 0.3148, 0.2841$, and $20.4044, 0.3112, 0.2307$ is the 20% darker color. If you saturate the color by 10%, you get $36.9758, 0.3125, 0.2257$, and if you desaturate by 10%, it is $52.2607, 0.3129, 0.2753$.

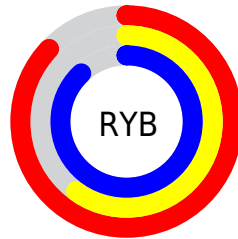
Distribution



Red (87%)

Green (60%)

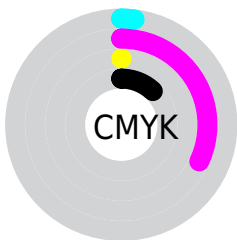
Blue (88%)



Red (87%)

Yellow (60%)

Blue (88%)

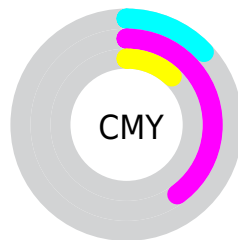


Cyan (2%)

Magenta (32%)

Yellow (0%)

Black (12%)



Cyan (13%)


Magenta (40%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.9196, 0.3128, 0.2500 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 43.9196, 0.3128, 0.2500 by changing the saturation by 10% instead.


 43.9196, 0.3128,
0.2500

 43.9196, 0.3128,
0.2500


362.3801, 0.3137,
0.2872

 30.6073, 0.3123,
0.2414


 81.0967, 0.3133,
0.2630

 20.3000, 0.3115,
0.2308


 105.7304, 0.3135,
0.2680

 12.6133, 0.3103,
0.2172


134.9066, 0.3136,
0.2724

 7.1628, 0.3083,
0.1996

169.0098, 0.3137,
0.2761

 3.5641, 0.3046,
0.1757

208.4243, 0.3137,
0.2794

 1.4329, 0.2972,
0.1422

253.5346, 0.3137,

 0.2408, 0.2907,

0.2823

0.0608

304.7251, 0.3137,
0.2849

0.0000, 0.0711,
0.0000

0.0000, 0.0000,
0.0000

43.9196, 0.3128,
0.2500

43.9196, 0.3128,
0.2500

36.9758, 0.3125,
0.2257

52.2607, 0.3129,
0.2753

31.3456, 0.3119,
0.2033

62.0651, 0.3129,
0.3006


26.9454, 0.3112,
0.1838


73.4018, 0.3128,
0.3253

23.6794, 0.3102,
0.1681


86.3335, 0.3125,
0.3488

 21.4377, 0.3090,
0.1566


 93.3439, 0.3127,
0.3598


 20.0890, 0.3077,
0.1495

 93.5534, 0.3135,
0.3597

 19.4602, 0.3065,
0.1462

 93.7643, 0.3143,
0.3596

 93.9768, 0.3151,
0.3596

 94.1909, 0.3159,
0.3595

Harmonies

Analogous

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



43.9196, 0.2540, 0.2316



43.9196, 0.3128, 0.2500



43.9196, 0.3778, 0.2849

Triad

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



43.9196, 0.3128, 0.2500



43.9196, 0.4153, 0.4224



43.9196, 0.2103, 0.3110

Complementary

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



43.9196, 0.3128, 0.2500



63.4547, 0.3110, 0.4211

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.



43.9196, 0.2464, 0.3770



43.9196, 0.3128, 0.2500



43.9196, 0.3643, 0.4455

Square

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



43.9196, 0.3128, 0.2500



43.9196, 0.4396, 0.3792



43.9196, 0.3024, 0.4306



43.9196, 0.1999, 0.2602

Rectangle

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



43.9196, 0.3128, 0.2500



43.9196, 0.4134, 0.3145



43.9196, 0.3024, 0.4306



43.9196, 0.2196, 0.3323

Sweetspot

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



43.9215, 0.3128, 0.2500



85.9745, 0.3129, 0.3068



37.0231, 0.2574, 0.2426



17.9511, 0.3129, 0.3031



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.



43.9215, 0.3128, 0.2500



51.9369, 0.3126, 0.2335



43.0331, 0.3443, 0.2829



13.8938, 0.3129, 0.3058



11.2328, 0.3068, 0.1464



0.7909, 0.3091, 0.1476

Inverse Universe

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



41.5982, 0.3805, 0.3244



48.4143, 0.4019, 0.3235



64.2110, 0.2902, 0.3804



13.7131, 0.3283, 0.3277



9.2462, 0.6337, 0.3265



0.6454, 0.6159, 0.3166

Previews

White Background



This preview shows how the Yxy color 43.9196, 0.3128, 0.2500 looks on a white background.

Color Contrast Check

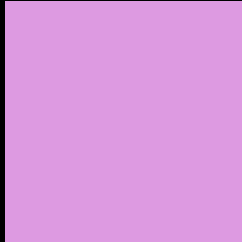
Large Text (above 18pt) WCAG AA × Fail

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 43.9196, 0.3128, 0.2500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

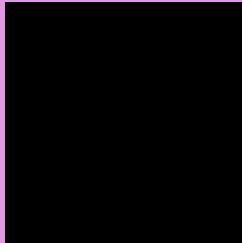
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9196, 0.3128, 0.2500

Background



This preview shows how black text looks on a background with the Yxy color 43.9196, 0.3128, 0.2500.



This preview shows how white text looks on a background with the Yxy color 43.9196, 0.3128, 0.2500.

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

43.9196, 0.3128, 0.2500

Protanopia

44.2203, 0.2537, 0.2485

Deuteranopia

44.2632, 0.2756, 0.2698



Tritanopia

43.9816, 0.3493, 0.3146

Trichromacy



Original Color

43.9196, 0.3128, 0.2500



Protanomaly

43.4593, 0.2723, 0.2472



Deuteranomaly

43.8585, 0.2886, 0.2624



Tritanomaly

43.7884, 0.3361, 0.2890

Monochromacy



Original Color

43.9196, 0.3128, 0.2500



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

45.3180, 0.3125, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9196, 0.3128, 0.2500 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(221, 154, 225)` looks like.

```
.text, #text, p{  
    color:rgb(221, 154, 225)  
}
```

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(221, 154, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 154, 225) }
```

Border

The CSS property to change the border of an element to Yxy 43.9196, 0.3128, 0.2500 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(221, 154, 225) }
```

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

```
.border{ border-color:rgb(221, 154, 225) }
```

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

Here you see how a box with a 4 pixel rgb(221, 154, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 154, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 154, 225);  
box-shadow:4px 4px 4px 4px rgb(221, 154,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 43.9196, 0.3128, 0.2500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 154, 225) }
```

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

```
.background{ background-color: rgb(221,  
154, 225) }
```

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