

Converting Colors

$Y_{xy}(44.6319, 0.2914, 0.2501)$

Have a look what the booklet for
Yxy(44.6319, 0.2914, 0.2501)
contains.

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Color

Yxy(44.5205, 0.2917, 0.2503)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | CAA3E7 |
| RGB | 202, 163, 231 |
| RGB Percent | 79%, 64%, 91% |
| CMY | 0.2077, 0.3608, 0.0941 |
| CMYK | 0.13, 0.29, 0.00, 0.09 |
| HSL | 274°, 59%, 77% |
| HSV | 274°, 29%, 91% |
| XYZ | 51.8843, 44.5205, 81.4638 |
| YIQ | 182.4130, 1.4160, 29.4160 |

Conversions

Conversions Part 2

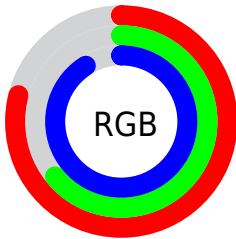
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 202, 163, 231 |
| Decimal | 13280231 |
| CIE Lab | 72.58, 26.85, -28.85 |
| CIE LCh | 73, 39.408, 312.940 |
| Yxy | 44.5205, 0.2917, 0.2503 |
| Android (android.graphics.Color) | 4291470311 (0xFFCAA3E7) |
| YUV | 182.4130, 23.9534, 17.1778 |
| Hunter-Lab | 66.7237, 22.0349, -25.6813 |

Details

The Yxy color $44.5205, 0.2917, 0.2503$ is a light color, and the websafe version is hex $CC99CC$. A complement of this color would be $71.0017, 0.3285, 0.4098$, and the grayscale version is $46.8846, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $20.6671, 0.2850, 0.2314$ is the 20% darker color. If you saturate the color by 10%, you get $35.7255, 0.2824, 0.2214$, and if you desaturate by 10%, it is $54.9050, 0.2999, 0.2785$.

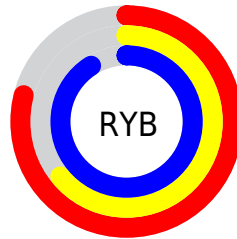
Distribution



Red (79%)

Green (64%)

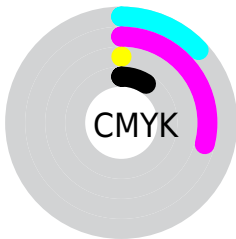
Blue (91%)



Red (79%)

Yellow (64%)

Blue (91%)

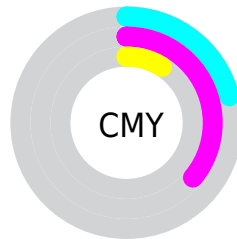


Cyan (13%)

Magenta (29%)

Yellow (0%)

Black (9%)



Cyan (21%)


Magenta (36%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5205, 0.2917, 0.2503 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 44.5205, 0.2917, 0.2503 by changing the saturation by 10% instead.

 44.5205, 0.2917,
0.2503

 44.5205, 0.2917,
0.2503


364.8281, 0.3029,
0.2875

 31.0799, 0.2888,
0.2417


 82.0004, 0.2959,
0.2633

 20.6597, 0.2849,
0.2310

 106.8085, 0.2974,
0.2684

 12.8755, 0.2797,
0.2173

136.1746, 0.2987,
0.2727

 7.3429, 0.2724,
0.1996

170.4830, 0.2998,
0.2765

 3.6774, 0.2613,
0.1755

210.1181, 0.3007,
0.2797

 1.4948, 0.2433,
0.1417

255.4645, 0.3016,

 0.2851, 0.2169,

0.2826

0.0665

306.9063, 0.3023,
0.2852

0.0000, 0.0000,
0.0000

44.5205, 0.2917,
0.2503

44.5205, 0.2917,
0.2503

35.7255, 0.2824,
0.2214

54.9050, 0.2999,
0.2785

28.4312, 0.2720,
0.1927

66.9504, 0.3070,
0.3054

22.5482, 0.2609,
0.1656

80.7305, 0.3130,
0.3303

17.9754, 0.2494,
0.1415

96.0605, 0.3181,
0.3529

14.5972, 0.2379,
0.1216

97.8434, 0.3244,
0.3524

■ 12.2771, 0.2269,
0.1068

■ 98.5499, 0.3268,
0.3522

■ 10.7956, 0.2167,
0.0970

■ 10.7230, 0.2162,
0.0965

Harmonies

Analogous

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



44.5205, 0.2452, 0.2408



44.5205, 0.2917, 0.2503



44.5205, 0.3486, 0.2766

Triad

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



44.5205, 0.2917, 0.2503



44.5205, 0.4150, 0.3992



44.5205, 0.2320, 0.3355

Complementary

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



44.5205, 0.2917, 0.2503



71.0017, 0.3285, 0.4098

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.



44.5205, 0.2723, 0.3913



44.5205, 0.2917, 0.2503



44.5205, 0.3782, 0.4269

Square

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



44.5205, 0.2917, 0.2503



44.5205, 0.4235, 0.3581



44.5205, 0.3257, 0.4265



44.5205, 0.2133, 0.2840

Rectangle

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



44.5205, 0.2917, 0.2503



44.5205, 0.3840, 0.3010



44.5205, 0.3257, 0.4265



44.5205, 0.2433, 0.3548

Sweetspot

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



44.5224, 0.2917, 0.2503



84.4139, 0.3073, 0.3064



51.4595, 0.2650, 0.2813



17.5649, 0.3063, 0.3026



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.



44.5224, 0.2917, 0.2503



49.1497, 0.2865, 0.2337



48.6987, 0.3199, 0.2603



14.2935, 0.3070, 0.3053



6.0857, 0.2177, 0.0973



0.5042, 0.2323, 0.1053

Inverse Universe

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



46.9861, 0.3505, 0.2964



52.7904, 0.3606, 0.2897



67.7505, 0.3060, 0.4089



14.4694, 0.3226, 0.3190



10.0467, 0.5265, 0.2674



0.7607, 0.4893, 0.2469

Previews

White Background



This preview shows how the Yxy color 44.5205, 0.2917, 0.2503 looks on a white background.

Color Contrast Check

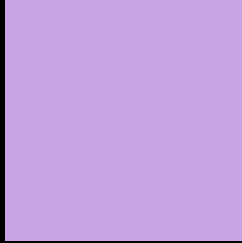
Large Text (above 18pt) WCAG AA × Fail

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 44.5205, 0.2917, 0.2503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

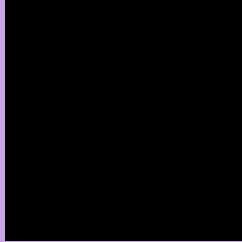
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.5205, 0.2917, 0.2503

Background



This preview shows how black text looks on a background with the Yxy color 44.5205, 0.2917, 0.2503.



This preview shows how white text looks on a background with the Yxy color 44.5205, 0.2917, 0.2503.

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

44.5205, 0.2917, 0.2503

Protanopia

44.8751, 0.2547, 0.2490

Deuteranopia

44.7521, 0.2681, 0.2618



Tritanopia

44.6099, 0.3224, 0.3126

Trichromacy



Original Color

44.5205, 0.2917, 0.2503

Protanomaly

44.3542, 0.2669, 0.2491

Deuteranomaly

44.6627, 0.2761, 0.2574

Tritanomaly

44.6460, 0.3111, 0.2885

Monochromacy



Original Color

44.5205, 0.2917, 0.2503

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

45.6489, 0.3047, 0.2976

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5205, 0.2917, 0.2503 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(202, 163, 231)` looks like.

```
.text, #text, p{  
    color:rgb(202, 163, 231)  
}
```

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(202, 163, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 163, 231) }
```

Border

The CSS property to change the border of an element to Yxy 44.5205, 0.2917, 0.2503 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(202, 163, 231) }
```

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

```
.border{ border-color:rgb(202, 163, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 163, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 163, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 163, 231);  
box-shadow:4px 4px 4px 4px rgb(202, 163,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5205, 0.2917, 0.2503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 163, 231) }
```

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

```
.background{ background-color: rgb(202,  
163, 231) }
```

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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