

Converting Colors

$Y_{xy}(45.3928, 0.3010, 0.2487)$

Have a look what the booklet for
Yxy(45.3928, 0.3010, 0.2487)
contains.

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Color

Yxy(45.2639, 0.3009, 0.2483)

Conversions

Conversions Part 1

Format	Color
Hex	D6A0E8
RGB	214, 160, 232
RGB Percent	84%, 63%, 91%
CMY	0.1610, 0.3724, 0.0903
CMYK	0.08, 0.31, 0.00, 0.09
HSL	285°, 61%, 77%
HSV	285°, 31%, 91%
XYZ	54.8526, 45.2639, 82.1787
YIQ	184.3540, 9.0720, 33.8400

Conversions

Conversions Part 2

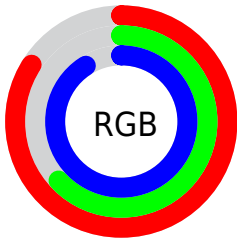
Format	Color
R _Y B	214, 160, 232
Decimal	14065896
CIE Lab	73.07, 32.38, -28.53
CIE LCh	73, 43.159, 318.615
Yxy	45.2639, 0.3009, 0.2483
Android (android.graphics.Color)	4292255976 (0xFFD6A0E8)
YUV	184.3540, 23.4895, 25.9995
Hunter-Lab	67.2785, 27.7951, -25.3261

Details

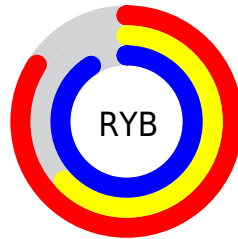
The Yxy color $45.2639, 0.3009, 0.2483$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $69.7192, 0.3204, 0.4170$, and the grayscale version is $48.0020, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.0809, 0.3145, 0.2900$, and $21.1288, 0.2963, 0.2293$ is the 20% darker color. If you saturate the color by 10%, you get $37.0974, 0.2957, 0.2215$, and if you desaturate by 10%, it is $54.9663, 0.3054, 0.2753$.

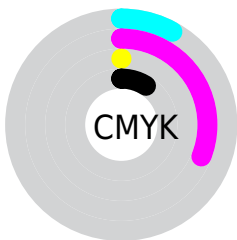
Distribution



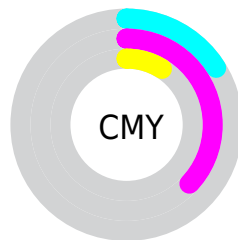
- Red (84%)
- Green (63%)
- Blue (91%)



- Red (84%)
- Yellow (63%)
- Blue (91%)



- Cyan (8%)
- Magenta (31%)
- Yellow (0%)
- Black (9%)





- Cyan (16%)
- Magenta (37%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.2639, 0.3009, 0.2483 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 45.2639, 0.3009, 0.2483 by changing the saturation by 10% instead.


 45.2639, 0.3009,
0.2483


 45.2639, 0.3009,
0.2483


367.8413, 0.3077,
0.2862

 31.6653, 0.2990,
0.2396

 83.1163, 0.3035,
0.2615

 21.1060, 0.2965,
0.2289


 108.1389, 0.3045,
0.2666

 13.2015, 0.2930,
0.2153


137.7383, 0.3052,
0.2710

 7.5675, 0.2879,
0.1976

172.2989, 0.3059,
0.2748

 3.8194, 0.2800,
0.1738

212.2051, 0.3064,
0.2782

 1.5731, 0.2667,
0.1408

257.8413, 0.3069,

 0.3394, 0.2467,

0.2811

0.0732

309.5919, 0.3073,
0.2838

0.0000, 0.0493,
0.0000

0.0000, 0.0000,
0.0000

45.2639, 0.3009,
0.2483

45.2639, 0.3009,
0.2483

37.0974, 0.2957,
0.2215

54.9663, 0.3054,
0.2753

30.3770, 0.2898,
0.1958

66.2763, 0.3093,
0.3015

25.0126, 0.2835,
0.1723

79.2680, 0.3124,
0.3265

20.9013, 0.2768,
0.1523

94.0090, 0.3150,
0.3499

■ 17.9250, 0.2699,
0.1365

■ 96.4058, 0.3186,
0.3518

■ 15.9430, 0.2632,
0.1255

■ 97.4577, 0.3222,
0.3515

■ 14.8012, 0.2573,
0.1191

■ 98.5428, 0.3260,
0.3513

■ 98.6054, 0.3262,
0.3513

Harmonies

Analogous

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



45.2639, 0.2476, 0.2343



45.2639, 0.3009, 0.2483



45.2639, 0.3632, 0.2793

Triad

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



45.2639, 0.3009, 0.2483



45.2639, 0.4179, 0.4117



45.2639, 0.2196, 0.3240

Complementary

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



45.2639, 0.3009, 0.2483



69.7192, 0.3204, 0.4170

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.



45.2639, 0.2588, 0.3865



45.2639, 0.3009, 0.2483



45.2639, 0.3733, 0.4383

Square

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



45.2639, 0.3009, 0.2483



45.2639, 0.4343, 0.3685



45.2639, 0.3149, 0.4315



45.2639, 0.2045, 0.2712

Rectangle

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



45.2639, 0.3009, 0.2483



45.2639, 0.3999, 0.3067



45.2639, 0.3149, 0.4315



45.2639, 0.2302, 0.3449

Sweetspot

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



45.2658, 0.3009, 0.2483



85.1459, 0.3099, 0.3066



45.6314, 0.2605, 0.2628



17.7457, 0.3094, 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.



45.2658, 0.3009, 0.2483



49.6324, 0.2978, 0.2317



47.2233, 0.3307, 0.2686



14.4237, 0.3098, 0.3056



8.2806, 0.2583, 0.1197



0.6551, 0.2678, 0.1249

Inverse Universe

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



45.5245, 0.3653, 0.3086



50.1015, 0.3804, 0.3044



68.3498, 0.2988, 0.3983



14.4270, 0.3253, 0.3231



9.7119, 0.5922, 0.3036



0.7323, 0.5508, 0.2808

Previews

White Background



This preview shows how the Yxy color 45.2639, 0.3009, 0.2483 looks on a white background.

Color Contrast Check

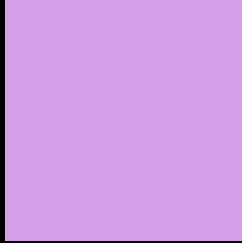
Large Text (above 18pt) WCAG AA × Fail

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 45.2639, 0.3009, 0.2483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

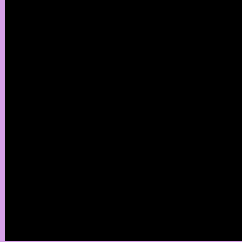
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2639, 0.3009, 0.2483

Background



This preview shows how black text looks on a background with the Yxy color 45.2639, 0.3009, 0.2483.



This preview shows how white text looks on a background with the Yxy color 45.2639, 0.3009, 0.2483.

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

45.2639, 0.3009, 0.2483

Protanopia

45.5104, 0.2525, 0.2461

Deuteranopia

45.3657, 0.2697, 0.2633



Tritanopia

45.4337, 0.3353, 0.3131

Trichromacy



Original Color

45.2639, 0.3009, 0.2483

Protanomaly

45.1204, 0.2687, 0.2468

Deuteranomaly

45.0274, 0.2806, 0.2571

Tritanomaly

45.1911, 0.3228, 0.2874

Monochromacy



Original Color

45.2639, 0.3009, 0.2483

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

46.4791, 0.3091, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2639, 0.3009, 0.2483 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(214, 160, 232)` looks like.

```
.text, #text, p{  
    color:rgb(214, 160, 232)  
}
```

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(214, 160, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 160, 232) }
```

Border

The CSS property to change the border of an element to Yxy 45.2639, 0.3009, 0.2483 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(214, 160, 232) }
```

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

```
.border{ border-color:rgb(214, 160, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 160, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 160, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 160, 232);  
box-shadow:4px 4px 4px 4px rgb(214, 160,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2639, 0.3009, 0.2483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 160, 232) }
```

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

```
.background{ background-color: rgb(214,  
160, 232) }
```

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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