

Converting Colors

$Y_{xy}(39.9409, 0.2884, 0.2613)$

Have a look what the booklet for
Yxy(39.9409, 0.2884, 0.2613)
contains.

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Color

Yxy(40.0639, 0.2885, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	B7A0D6
RGB	183, 160, 214
RGB Percent	72%, 63%, 84%
CMY	0.2824, 0.3725, 0.1607
CMYK	0.14, 0.25, 0.00, 0.16
HSL	266°, 40%, 73%
HSV	266°, 25%, 84%
XYZ	44.2343, 40.0639, 69.0270
YIQ	173.0330, -3.6260, 21.6700

Conversions

Conversions Part 2

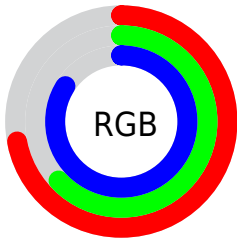
Format	Color
RYB	183, 160, 214
Decimal	12034262
CIELab	69.52, 18.88, -24.37
CIELCh	70, 30.826, 307.759
Yxy	40.0639, 0.2885, 0.2613
Android (android.graphics.Color)	4290224342 (0xFFB7A0D6)
YUV	173.0330, 20.1967, 8.7411
Hunter-Lab	63.2961, 13.9764, -20.3510

Details

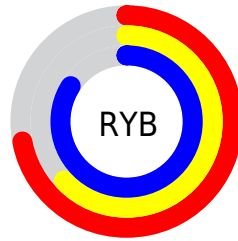
The Yxy color **40.0639, 0.2885, 0.2613** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.7187, 0.3325, 0.3955**, and the grayscale version is **41.7035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.1716, 0.3034, 0.2887**, and **17.8955, 0.2804, 0.2427** is the 20% darker color. If you saturate the color by 10%, you get **31.8302, 0.2764, 0.2313**, and if you desaturate by 10%, it is **49.7099, 0.2992, 0.2898**.

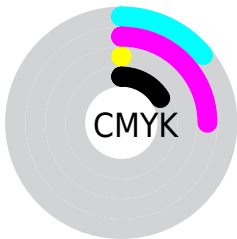
Distribution



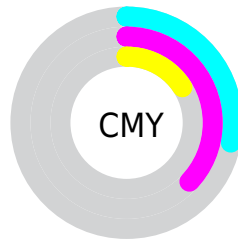
- Red (72%)
- Green (63%)
- Blue (84%)



- Red (72%)
- Yellow (63%)
- Blue (84%)



- Cyan (14%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)





- Cyan (28%)
- Magenta (37%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0639, 0.2885, 0.2613 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 40.0639, 0.2885, 0.2613 by changing the saturation by 10% instead.


 40.0639, 0.2885,
0.2613


 40.0639, 0.2885,
0.2613


346.3928, 0.3013,
0.2944

 27.5884, 0.2851,
0.2533


 75.2608, 0.2933,
0.2731

 18.0156, 0.2808,
0.2433


 98.7510, 0.2950,
0.2776

 10.9612, 0.2748,
0.2302


126.6815, 0.2965,
0.2814

 6.0407, 0.2662,
0.2126

159.4367, 0.2977,
0.2847

 2.8699, 0.2531,
0.1879

197.4011, 0.2988,
0.2876

 1.0642, 0.2311,
0.1512

240.9589, 0.2997,

 0.0000, 0.1839,

0.2901

0.0000

290.4947, 0.3005,
0.2924

0.0000, 0.0000,
0.0000

40.0639, 0.2885,
0.2613

40.0639, 0.2885,
0.2613

31.8302, 0.2764,
0.2313

49.7099, 0.2992,
0.2898

24.9350, 0.2630,
0.2005

60.8271, 0.3084,
0.3161

19.3053, 0.2486,
0.1703

73.4773, 0.3163,
0.3402

14.8588, 0.2337,
0.1422

87.7169, 0.3230,
0.3618

11.5031, 0.2189,
0.1179

95.6924, 0.3300,
0.3700

■ 9.1312, 0.2052,
0.0987

■ 97.6356, 0.3369,
0.3691

■ 7.6131, 0.1930,
0.0856

■ 7.0818, 0.1877,
0.0808

Harmonies

Analogous

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



40.0639, 0.2522, 0.2565



40.0639, 0.2885, 0.2613



40.0639, 0.3342, 0.2811

Triad

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



40.0639, 0.2885, 0.2613



40.0639, 0.3991, 0.3824



40.0639, 0.2514, 0.3428

Complementary

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



40.0639, 0.2885, 0.2613



61.7187, 0.3325, 0.3955

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.



40.0639, 0.2874, 0.3851



40.0639, 0.2885, 0.2613



40.0639, 0.3732, 0.4063

Square

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



40.0639, 0.2885, 0.2613



40.0639, 0.4008, 0.3480



40.0639, 0.3320, 0.4090



40.0639, 0.2320, 0.2997

Rectangle

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



40.0639, 0.2885, 0.2613



40.0639, 0.3637, 0.3008



40.0639, 0.3320, 0.4090



40.0639, 0.2618, 0.3579

Sweetspot

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



40.0656, 0.2885, 0.2613



85.5121, 0.3059, 0.3089



49.8149, 0.2733, 0.3000



17.7554, 0.3046, 0.3049



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.



40.0656, 0.2885, 0.2613



53.1154, 0.2825, 0.2462



43.6305, 0.3116, 0.2658



12.2643, 0.3047, 0.3054



4.3385, 0.1892, 0.0816



0.3099, 0.2089, 0.0924

Inverse Universe

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



43.2060, 0.3360, 0.2920



58.5986, 0.3421, 0.2843



58.5842, 0.3126, 0.3998



12.5392, 0.3202, 0.3157



9.5262, 0.4635, 0.2327



0.5910, 0.4322, 0.2155

Previews

White Background



This preview shows how the Yxy color 40.0639, 0.2885, 0.2613 looks on a white background.

Color Contrast Check

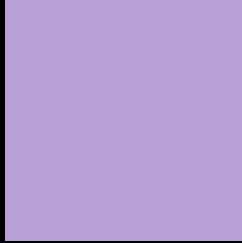
Large Text (above 18pt) WCAG AA × Fail

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 40.0639, 0.2885, 0.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

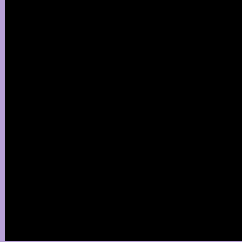
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0639, 0.2885, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 40.0639, 0.2885, 0.2613.



This preview shows how white text looks on a background with the Yxy color 40.0639, 0.2885, 0.2613.

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

40.0639, 0.2885, 0.2613

Protanopia

40.2405, 0.2635, 0.2610

Deuteranopia

40.3340, 0.2742, 0.2688



Tritanopia

39.9148, 0.3109, 0.3101

Trichromacy



Original Color

40.0639, 0.2885, 0.2613

Protanomaly

40.0792, 0.2721, 0.2606

Deuteranomaly

40.0129, 0.2795, 0.2658

Tritanomaly

39.9404, 0.3027, 0.2921

Monochromacy



Original Color

40.0639, 0.2885, 0.2613

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

40.9832, 0.3041, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0639, 0.2885, 0.2613 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(183, 160, 214)` looks like.

```
.text, #text, p{  
    color:rgb(183, 160, 214)  
}
```

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(183, 160, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 160, 214) }
```

Border

The CSS property to change the border of an element to Yxy 40.0639, 0.2885, 0.2613 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(183, 160, 214) }
```

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

```
.border{ border-color:rgb(183, 160, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 160, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 160, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 160, 214);  
box-shadow:4px 4px 4px 4px rgb(183, 160,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0639, 0.2885, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 160, 214) }
```

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

```
.background{ background-color: rgb(183,  
160, 214) }
```

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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