

Converting Colors

$Yxy(39.4605, 0.2870, 0.2625)$

Have a look what the booklet for
Yxy(39.4605, 0.2870, 0.2625)
contains.

Yxy(39.5984, 0.2875, 0.2631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.5984, 0.2875, 0.2631)

Conversions

Conversions Part 1

Format	Color
Hex	B4A0D4
RGB	180, 160, 212
RGB Percent	71%, 63%, 83%
CMY	0.2942, 0.3725, 0.1687
CMYK	0.15, 0.25, 0.00, 0.17
HSL	263°, 38%, 73%
HSV	263°, 25%, 83%
XYZ	43.2708, 39.5984, 67.6379
YIQ	171.9080, -4.7720, 20.4120

Conversions

Conversions Part 2

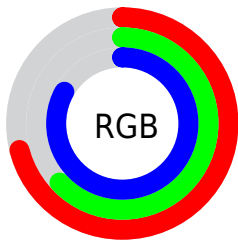
Format	Color
RYB	180, 160, 212
Decimal	11837652
CIELab	69.18, 17.47, -23.78
CIElCh	69, 29.513, 306.306
Yxy	39.5984, 0.2875, 0.2631
Android (android.graphics.Color)	4290027732 (0xFFB4A0D4)
YUV	171.9080, 19.7654, 7.0967
Hunter-Lab	62.9273, 12.6195, -19.6792

Details

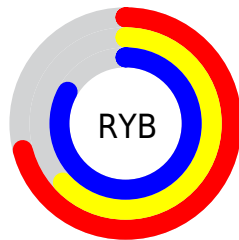
The Yxy color **39.5984, 0.2875, 0.2631** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **60.8260, 0.3337, 0.3931**, and the grayscale version is **41.1055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6537, 0.3013, 0.2884**, and **17.6715, 0.2801, 0.2450** is the 20% darker color. If you saturate the color by 10%, you get **31.3718, 0.2746, 0.2328**, and if you desaturate by 10%, it is **49.2290, 0.2989, 0.2916**.

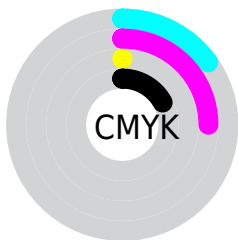
Distribution



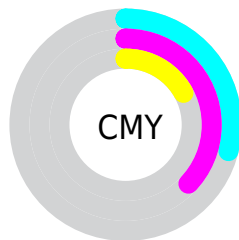
- Red (71%)
- Green (63%)
- Blue (83%)



- Red (71%)
- Yellow (63%)
- Blue (83%)



- Cyan (15%)
- Magenta (25%)
- Yellow (0%)
- Black (17%)





- Cyan (29%)
- Magenta (37%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.5984, 0.2875, 0.2631 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 39.5984, 0.2875, 0.2631 by changing the saturation by 10% instead.

 39.5984, 0.2875,
0.2631


 39.5984, 0.2875,
0.2631

344.4280, 0.3008,
0.2954

 27.2256, 0.2840,
0.2553


 74.5516, 0.2924,
0.2747

 17.7427, 0.2795,
0.2454

 97.9007, 0.2943,
0.2791

 10.7654, 0.2733,
0.2324


125.6774, 0.2958,
0.2828

 5.9093, 0.2644,
0.2150

158.2660, 0.2971,
0.2860

 2.7900, 0.2508,
0.1903

196.0510, 0.2982,
0.2889

 1.0231, 0.2280,
0.1533

239.4167, 0.2992,

 0.0000, 0.1671,

0.2913


0.0000

288.7476, 0.3000,
0.2935


 0.0000, 0.0000,
0.0000


 39.5984, 0.2875,
0.2631

 39.5984, 0.2875,
0.2631


 31.3718, 0.2746,
0.2328


 49.2290, 0.2989,
0.2916


 24.4768, 0.2604,
0.2016


 60.3215, 0.3087,
0.3179


 18.8414, 0.2451,
0.1707

 72.9368, 0.3172,
0.3418

 14.3852, 0.2294,
0.1417

 87.1305, 0.3243,
0.3631

 11.0177, 0.2139,
0.1165

 95.7308, 0.3318,
0.3720

■ 8.6347, 0.1996,
0.0965

■ 97.5326, 0.3382,
0.3711

■ 7.1102, 0.1871,
0.0827

■ 6.5209, 0.1811,
0.0771

Harmonies

Analogous

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



39.5984, 0.2531, 0.2593



39.5984, 0.2875, 0.2631



39.5984, 0.3313, 0.2816

Triad

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



39.5984, 0.2875, 0.2631



39.5984, 0.3965, 0.3792



39.5984, 0.2550, 0.3445

Complementary

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



39.5984, 0.2875, 0.2631



60.8260, 0.3337, 0.3931

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.



39.5984, 0.2905, 0.3844



39.5984, 0.2875, 0.2631



39.5984, 0.3727, 0.4026

Square

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



39.5984, 0.2875, 0.2631



39.5984, 0.3968, 0.3458



39.5984, 0.3335, 0.4062



39.5984, 0.2354, 0.3028

Rectangle

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



39.5984, 0.2875, 0.2631



39.5984, 0.3598, 0.3003



39.5984, 0.3335, 0.4062



39.5984, 0.2654, 0.3588

Sweetspot

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



39.6000, 0.2875, 0.2631



87.1096, 0.3064, 0.3114



49.9541, 0.2747, 0.3032



18.4187, 0.3058, 0.3099



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.



39.6000, 0.2875, 0.2631



53.9101, 0.2815, 0.2488



43.0098, 0.3102, 0.2674



12.2389, 0.3041, 0.3053



4.0800, 0.1825, 0.0779



0.2930, 0.2022, 0.0888

Inverse Universe

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



42.9480, 0.3332, 0.2907



59.8517, 0.3383, 0.2829



57.7323, 0.3139, 0.3972



12.5481, 0.3196, 0.3147



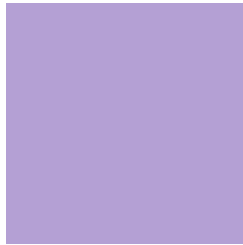
9.6656, 0.4467, 0.2234



0.5989, 0.4192, 0.2083

Previews

White Background



This preview shows how the Yxy color 39.5984, 0.2875, 0.2631 looks on a white background.

Color Contrast Check

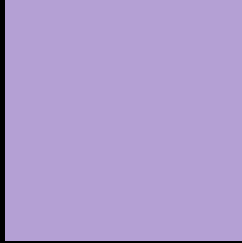
Large Text (above 18pt) WCAG AA × Fail

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 39.5984, 0.2875, 0.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

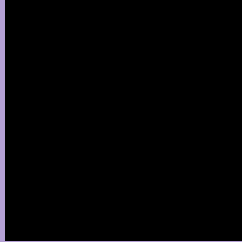
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.5984, 0.2875, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 39.5984, 0.2875, 0.2631.



This preview shows how white text looks on a background with the Yxy color 39.5984, 0.2875, 0.2631.

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

39.5984, 0.2875, 0.2631

Protanopia

39.7151, 0.2653, 0.2631

Deuteranopia

39.8681, 0.2755, 0.2698



Tritanopia

39.5258, 0.3090, 0.3113

Trichromacy



Original Color

39.5984, 0.2875, 0.2631

Protanomaly

39.4565, 0.2733, 0.2626

Deuteranomaly

39.8001, 0.2802, 0.2680

Tritanomaly

39.5426, 0.3008, 0.2931

Monochromacy



Original Color

39.5984, 0.2875, 0.2631

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.7071, 0.3032, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.5984, 0.2875, 0.2631 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(180, 160, 212)` looks like.

```
.text, #text, p{  
    color:rgb(180, 160, 212)  
}
```

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(180, 160, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 160, 212) }
```

Border

The CSS property to change the border of an element to Yxy 39.5984, 0.2875, 0.2631 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(180, 160, 212) }
```

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

```
.border{ border-color:rgb(180, 160, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 160, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 160, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 160, 212);  
box-shadow:4px 4px 4px 4px rgb(180, 160,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 39.5984, 0.2875, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 160, 212) }
```

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

```
.background{ background-color: rgb(180,  
160, 212) }
```

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