

Converting Colors

$Y_{xy}(40.6389, 0.2963, 0.2801)$

Have a look what the booklet for
Yxy(40.6389, 0.2963, 0.2801)
contains.

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Color

Yxy(40.6389, 0.2963, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	B5A4CA
RGB	181, 164, 202
RGB Percent	71%, 64%, 79%
CMY	0.2903, 0.3568, 0.2078
CMYK	0.10, 0.19, 0.00, 0.21
HSL	267°, 26%, 72%
HSV	267°, 19%, 79%
XYZ	42.9893, 40.6389, 61.4589
YIQ	173.4150, -2.0660, 15.4220

Conversions

Conversions Part 2

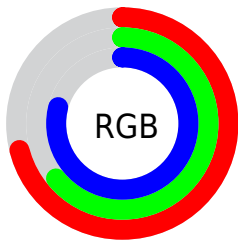
Format	Color
R_{YB}	181, 164, 202
Decimal	11904202
CIE _{Lab}	69.92, 13.45, -17.15
CIE _{LCh}	70, 21.792, 308.115
Yxy	40.6389, 0.2963, 0.2801
Android (android.graphics.Color)	4290094282 (0xFFB5A4CA)
YUV	173.4150, 14.0924, 6.6520
Hunter-Lab	63.7486, 8.8125, -12.5363

Details

The Yxy color $40.6389, 0.2963, 0.2801$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $55.2434, 0.3269, 0.3775$, and the grayscale version is $41.9394, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.8876, 0.3020, 0.2926$, and $18.3157, 0.2911, 0.2660$ is the 20% darker color. If you saturate the color by 10%, you get $32.6776, 0.2856, 0.2513$, and if you desaturate by 10%, it is $49.8604, 0.3056, 0.3071$.

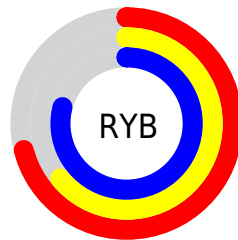
Distribution



Red (71%)

Green (64%)

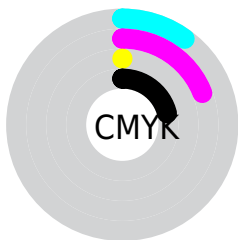
Blue (79%)



Red (71%)

Yellow (64%)

Blue (79%)

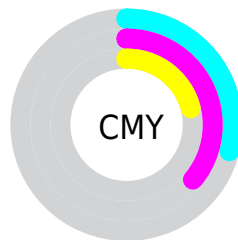


Cyan (10%)

Magenta (19%)

Yellow (0%)

Black (21%)



Cyan (29%)


Magenta (36%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6389, 0.2963, 0.2801 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 40.6389, 0.2963, 0.2801 by changing the saturation by 10% instead.


 40.6389, 0.2963,
0.2801


 40.6389, 0.2963,
0.2801


348.8091, 0.3049,
0.3043

 28.0370, 0.2940,
0.2741


 76.1354, 0.2995,
0.2888

 18.3536, 0.2911,
0.2666


 99.7989, 0.3007,
0.2921

 11.2041, 0.2870,
0.2566


127.9183, 0.3017,
0.2949

 6.2043, 0.2811,
0.2428

160.8781, 0.3025,
0.2973

 2.9697, 0.2720,
0.2229

199.0627, 0.3032,
0.2994

 1.1159, 0.2560,
0.1915

242.8565, 0.3039,

 0.0000, 0.2096,

0.3013

0.0000

292.6438, 0.3044,
0.3029

0.0000, 0.0000,
0.0000

40.6389, 0.2963,
0.2801

40.6389, 0.2963,
0.2801

32.6776, 0.2856,
0.2513

49.8604, 0.3056,
0.3071

25.9148, 0.2735,
0.2212

60.3899, 0.3136,
0.3318

20.2911, 0.2603,
0.1909

72.2790, 0.3204,
0.3543

15.7399, 0.2462,
0.1617

85.5749, 0.3260,
0.3744

12.1875, 0.2317,
0.1351

93.7666, 0.3322,
0.3831

■ 9.5502, 0.2177,
0.1127

■ 95.7495, 0.3395,
0.3818

■ 7.7301, 0.2046,
0.0957

■ 97.0446, 0.3442,
0.3810

■ 6.5697, 0.1931,
0.0842

■ 6.4499, 0.1918,
0.0830

Harmonies

Analogous

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



40.6389, 0.2698, 0.2769



40.6389, 0.2963, 0.2801



40.6389, 0.3286, 0.2947

Triad

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



40.6389, 0.2963, 0.2801



40.6389, 0.3736, 0.3683



40.6389, 0.2689, 0.3388

Complementary

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



40.6389, 0.2963, 0.2801



55.2434, 0.3269, 0.3775

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.



40.6389, 0.2950, 0.3673



40.6389, 0.2963, 0.2801



40.6389, 0.3557, 0.3837

Square

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



40.6389, 0.2963, 0.2801



40.6389, 0.3745, 0.3440



40.6389, 0.3267, 0.3841



40.6389, 0.2547, 0.3089

Rectangle

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



40.6389, 0.2963, 0.2801



40.6389, 0.3490, 0.3093



40.6389, 0.3267, 0.3841



40.6389, 0.2765, 0.3490

Sweetspot

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



40.6406, 0.2963, 0.2801



89.0533, 0.3079, 0.3141



47.0830, 0.2835, 0.3073



18.8168, 0.3074, 0.3124



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.



40.6406, 0.2963, 0.2801



62.4742, 0.2916, 0.2673



43.0260, 0.3126, 0.2825



11.0852, 0.3051, 0.3055



4.2013, 0.1932, 0.0838



0.2615, 0.2155, 0.0961

Inverse Universe

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



42.6161, 0.3297, 0.3029



66.5440, 0.3347, 0.2963



53.0906, 0.3123, 0.3797



11.3158, 0.3205, 0.3162



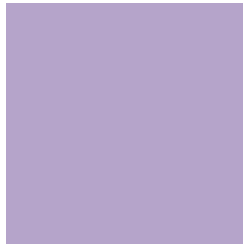
8.8477, 0.4719, 0.2373



0.4716, 0.4345, 0.2168

Previews

White Background



This preview shows how the Yxy color 40.6389, 0.2963, 0.2801 looks on a white background.

Color Contrast Check

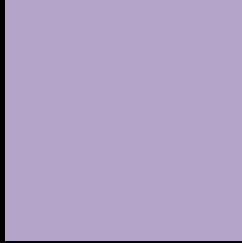
Large Text (above 18pt) WCAG AA × Fail

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 40.6389, 0.2963, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

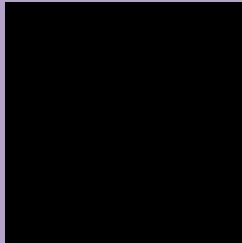
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6389, 0.2963, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 40.6389, 0.2963, 0.2801.



This preview shows how white text looks on a background with the Yxy color 40.6389, 0.2963, 0.2801.

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

40.6389, 0.2963, 0.2801

Protanopia

40.6187, 0.2786, 0.2798

Deuteranopia

40.7387, 0.2903, 0.2844



Tritanopia

40.8064, 0.3108, 0.3116

Trichromacy



Original Color

40.6389, 0.2963, 0.2801

Protanomaly

40.5913, 0.2848, 0.2791

Deuteranomaly

40.7196, 0.2928, 0.2834

Tritanomaly

40.8953, 0.3051, 0.3000

Monochromacy



Original Color

40.6389, 0.2963, 0.2801

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.4402, 0.3065, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6389, 0.2963, 0.2801 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(181, 164, 202)` looks like.

```
.text, #text, p{  
    color:rgb(181, 164, 202)  
}
```

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(181, 164, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 164, 202) }
```

Border

The CSS property to change the border of an element to Yxy 40.6389, 0.2963, 0.2801 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(181, 164, 202) }
```

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

```
.border{ border-color:rgb(181, 164, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 164, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 164, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 164, 202);  
box-shadow:4px 4px 4px 4px rgb(181, 164,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6389, 0.2963, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 164, 202) }
```

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

```
.background{ background-color: rgb(181,  
164, 202) }
```

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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