

Converting Colors

$Yxy(39.7708, 0.2948, 0.2759)$

Have a look what the booklet for
Yxy(39.7708, 0.2948, 0.2759)
contains.

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Color

Yxy(39.8558, 0.2946, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	B4A2CB
RGB	180, 162, 203
RGB Percent	71%, 64%, 80%
CMY	0.2941, 0.3647, 0.2038
CMYK	0.11, 0.20, 0.00, 0.20
HSL	266°, 28%, 72%
HSV	266°, 20%, 80%
XYZ	42.5263, 39.8558, 61.9706
YIQ	172.0560, -2.4330, 16.5670

Conversions

Conversions Part 2

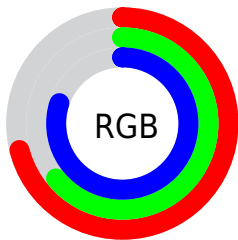
Format	Color
R _Y B	180, 162, 203
Decimal	11838155
CIE Lab	69.37, 14.46, -18.56
CIE LCh	69, 23.530, 307.926
Yxy	39.8558, 0.2946, 0.2761
Android (android.graphics.Color)	4290028235 (0xFFB4A2CB)
YUV	172.0560, 15.2554, 6.9669
Hunter-Lab	63.1315, 9.7603, -14.0078

Details

The Yxy color **39.8558, 0.2946, 0.2761** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.6523, 0.3282, 0.3813**, and the grayscale version is **41.2089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6786, 0.3013, 0.2905**, and **17.8338, 0.2887, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **31.9612, 0.2835, 0.2470**, and if you desaturate by 10%, it is **49.0209, 0.3043, 0.3034**.

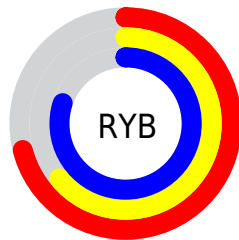
Distribution



Red (71%)

Green (64%)

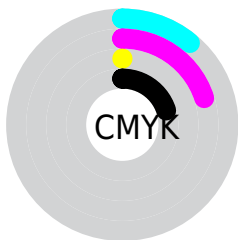
Blue (80%)



Red (71%)

Yellow (64%)

Blue (80%)

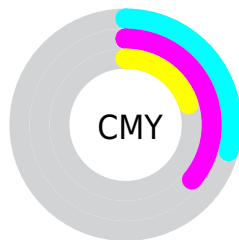


Cyan (11%)

Magenta (20%)

Yellow (0%)

Black (20%)



Cyan (29%)


Magenta (36%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8558, 0.2946, 0.2761 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 39.8558, 0.2946, 0.2761 by changing the saturation by 10% instead.


 39.8558, 0.2946,
0.2761


 39.8558, 0.2946,
0.2761

345.5154, 0.3041,
0.3023

 27.4261, 0.2921,
0.2697


 74.9439, 0.2982,
0.2856

 17.8935, 0.2888,
0.2615


 98.3711, 0.2995,
0.2891

 10.8736, 0.2842,
0.2507


126.2329, 0.3006,
0.2921

 5.9819, 0.2777,
0.2359

158.9138, 0.3015,
0.2947

 2.8341, 0.2675,
0.2144

196.7981, 0.3023,
0.2970

 1.0457, 0.2497,
0.1810

240.2702, 0.3030,

 0.0000, 0.1871,

0.2990

0.0000

289.7145, 0.3036,
0.3007

■ 0.0000, 0.0000,
0.0000

■ 39.8558, 0.2946,
0.2761

■ 39.8558, 0.2946,
0.2761

■ 31.9612, 0.2835,
0.2470

■ 49.0209, 0.3043,
0.3034

■ 25.2741, 0.2711,
0.2167

■ 59.5057, 0.3126,
0.3285

■ 19.7336, 0.2575,
0.1864

■ 71.3628, 0.3196,
0.3513

■ 15.2710, 0.2432,
0.1573

■ 84.6406, 0.3255,
0.3717

■ 11.8104, 0.2286,
0.1310

■ 93.8321, 0.3316,
0.3820

■ 9.2654, 0.2145,
0.1093

■ 95.8553, 0.3391,
0.3807

■ 7.5338, 0.2015,
0.0931

■ 97.0933, 0.3436,
0.3800

■ 6.4429, 0.1904,
0.0822

Harmonies

Analogous

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



39.8558, 0.2660, 0.2726



39.8558, 0.2946, 0.2761



39.8558, 0.3297, 0.2918

Triad

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



39.8558, 0.2946, 0.2761



39.8558, 0.3789, 0.3712



39.8558, 0.2654, 0.3397

Complementary

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



39.8558, 0.2946, 0.2761



55.6523, 0.3282, 0.3813

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.



39.8558, 0.2936, 0.3710



39.8558, 0.2946, 0.2761



39.8558, 0.3595, 0.3884

Square

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



39.8558, 0.2946, 0.2761



39.8558, 0.3799, 0.3448



39.8558, 0.3280, 0.3892



39.8558, 0.2499, 0.3071

Rectangle

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



39.8558, 0.2946, 0.2761



39.8558, 0.3519, 0.3075



39.8558, 0.3280, 0.3892



39.8558, 0.2736, 0.3509

Sweetspot

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



39.8575, 0.2946, 0.2761



89.0317, 0.3078, 0.3140



46.7972, 0.2813, 0.3055



18.8117, 0.3073, 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.



39.8575, 0.2946, 0.2761



61.0338, 0.2902, 0.2643



42.4733, 0.3126, 0.2789



11.0808, 0.3050, 0.3055



4.1508, 0.1918, 0.0830



0.2588, 0.2142, 0.0953

Inverse Universe

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



42.0445, 0.3310, 0.3004



65.3637, 0.3355, 0.2943



53.3061, 0.3122, 0.3839



11.3173, 0.3204, 0.3161



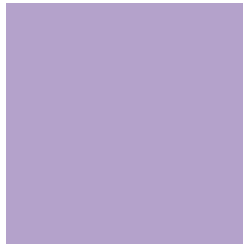
8.8703, 0.4687, 0.2356



0.4727, 0.4321, 0.2154

Previews

White Background



This preview shows how the Yxy color 39.8558, 0.2946, 0.2761 looks on a white background.

Color Contrast Check

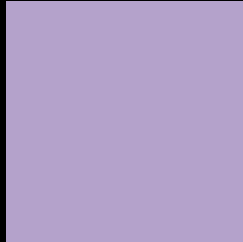
Large Text (above 18pt) WCAG AA × Fail

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 39.8558, 0.2946, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

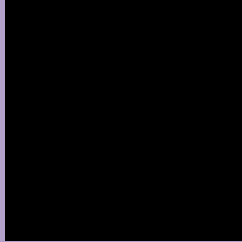
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.8558, 0.2946, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 39.8558, 0.2946, 0.2761.



This preview shows how white text looks on a background with the Yxy color 39.8558, 0.2946, 0.2761.

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

39.8558, 0.2946, 0.2761

Protanopia

40.0873, 0.2762, 0.2770

Deuteranopia

40.0828, 0.2870, 0.2814



Tritanopia

39.7572, 0.3108, 0.3114

Trichromacy



Original Color

39.8558, 0.2946, 0.2761

Protanomaly

40.0535, 0.2823, 0.2763

Deuteranomaly

40.1732, 0.2903, 0.2806

Tritanomaly

39.8882, 0.3042, 0.2984

Monochromacy



Original Color

39.8558, 0.2946, 0.2761

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.5381, 0.3065, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8558, 0.2946, 0.2761 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, 162, 203)` looks like.

```
.text, #text, p{  
    color:rgb(180, 162, 203)  
}
```

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, 162, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 162, 203) }
```

Border

The CSS property to change the border of an element to Yxy 39.8558, 0.2946, 0.2761 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, 162, 203) }
```

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

```
.border{ border-color:rgb(180, 162, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 162, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 162, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 162, 203);  
box-shadow:4px 4px 4px 4px rgb(180, 162,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8558, 0.2946, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 162, 203) }
```

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

```
.background{ background-color: rgb(180,  
162, 203) }
```

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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