

Converting Colors

$Yxy(37.9720, 0.3123, 0.2982)$

Have a look what the booklet for
Yxy(37.9720, 0.3123, 0.2982)
contains.

Yxy(37.8770, 0.3123, 0.2982)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8770, 0.3123, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	B49FB6
RGB	180, 159, 182
RGB Percent	71%, 62%, 71%
CMY	0.2940, 0.3765, 0.2863
CMYK	0.01, 0.13, 0.00, 0.29
HSL	295°, 14%, 67%
HSV	295°, 13%, 71%
XYZ	39.6680, 37.8770, 49.4738
YIQ	167.9010, 5.1330, 11.6050

Conversions

Conversions Part 2

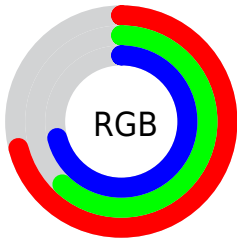
Format	Color
R_{YB}	180, 159, 182
Decimal	11837366
CIE _{Lab}	67.93, 11.89, -9.05
CIE _{LCh}	68, 14.941, 322.718
Yxy	37.8770, 0.3123, 0.2982
Android (android.graphics.Color)	4290027446 (0xFFB49FB6)
YUV	167.9010, 6.9508, 10.6108
Hunter-Lab	61.5443, 7.3485, -4.5806

Details

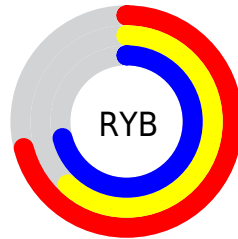
The Yxy color **37.8770, 0.3123, 0.2982** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.5312, 0.3129, 0.3615**, and the grayscale version is **39.0722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0990, 0.3124, 0.3041**, and **16.8221, 0.3119, 0.2902** is the 20% darker color. If you saturate the color by 10%, you get **31.8873, 0.3117, 0.2730**, and if you desaturate by 10%, it is **44.7936, 0.3127, 0.3227**.

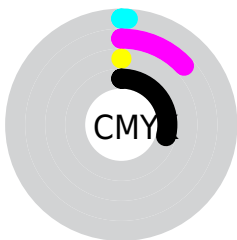
Distribution



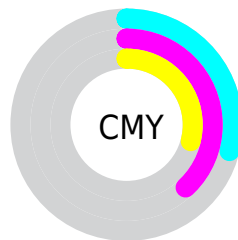
- Red (71%)
- Green (62%)
- Blue (71%)



- Red (71%)
- Yellow (62%)
- Blue (71%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (29%)





- Cyan (29%)
- Magenta (38%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8770, 0.3123, 0.2982 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 37.8770, 0.3123, 0.2982 by changing the saturation by 10% instead.


 37.8770, 0.3123,
0.2982


 37.8770, 0.3123,
0.2982


337.0920, 0.3127,
0.3138

 25.8872, 0.3122,
0.2942


 71.9196, 0.3125,
0.3039

 16.7393, 0.3119,
0.2891


 94.7412, 0.3125,
0.3060

 10.0488, 0.3116,
0.2823


121.9422, 0.3126,
0.3078

 5.4313, 0.3110,
0.2726

153.9070, 0.3126,
0.3094

 2.5025, 0.3099,
0.2579

191.0200, 0.3126,
0.3107

 0.8779, 0.3072,
0.2330

233.6655, 0.3126,

 0.0000, 0.1589,

0.3119

0.0000


282.2281, 0.3127,
0.3129

 0.0000, 0.0000,
0.0000

 37.8770, 0.3123,
0.2982

 37.8770, 0.3123,
0.2982

 31.8873, 0.3117,
0.2730

 44.7936, 0.3127,
0.3227

 26.7796, 0.3109,
0.2479


 52.6699, 0.3128,
0.3461


 22.5124, 0.3099,
0.2237

 61.5432, 0.3129,
0.3680

 19.0389, 0.3085,
0.2012

 71.4471, 0.3128,
0.3883

 16.3080, 0.3070,
0.1815

 82.4138, 0.3126,
0.4069

■ 14.2623, 0.3051,
0.1655

■ 85.7649, 0.3132,
0.4115

■ 12.8362, 0.3032,
0.1536

■ 85.9659, 0.3142,
0.4113

■ 11.9512, 0.3011,
0.1460

■ 86.1691, 0.3151,
0.4110

■ 11.5281, 0.2995,
0.1424

■ 86.3744, 0.3161,
0.4108

Harmonies

Analogous

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



37.8770, 0.2908, 0.2918



37.8770, 0.3123, 0.2982



37.8770, 0.3346, 0.3121

Triad

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



37.8770, 0.3123, 0.2982



37.8770, 0.3507, 0.3633



37.8770, 0.2755, 0.3257

Complementary

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



37.8770, 0.3123, 0.2982



43.5312, 0.3129, 0.3615

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.



37.8770, 0.2906, 0.3466



37.8770, 0.3123, 0.2982



37.8770, 0.3339, 0.3687

Square

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



37.8770, 0.3123, 0.2982



37.8770, 0.3572, 0.3490



37.8770, 0.3119, 0.3627



37.8770, 0.2702, 0.3067

Rectangle

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



37.8770, 0.3123, 0.2982



37.8770, 0.3467, 0.3240



37.8770, 0.3119, 0.3627



37.8770, 0.2796, 0.3328

Sweetspot

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



37.8786, 0.3123, 0.2982



79.3160, 0.3126, 0.3193



36.3412, 0.2930, 0.2997



17.3007, 0.3126, 0.3174



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.8786, 0.3123, 0.2982



65.6760, 0.3122, 0.2917



37.7489, 0.3224, 0.3104



9.1226, 0.3124, 0.3064



8.1557, 0.2998, 0.1425



0.2991, 0.3056, 0.1457

Inverse Universe

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



37.3116, 0.3334, 0.3264



64.4631, 0.3385, 0.3258



43.6595, 0.3041, 0.3484



9.0244, 0.3275, 0.3271



7.0530, 0.6289, 0.3238



0.2528, 0.5888, 0.3017

Previews

White Background



This preview shows how the Yxy color 37.8770, 0.3123, 0.2982 looks on a white background.

Color Contrast Check

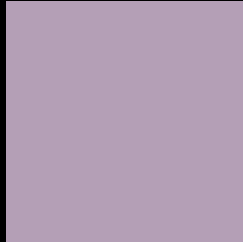
Large Text (above 18pt) WCAG AA × Fail

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 37.8770, 0.3123, 0.2982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

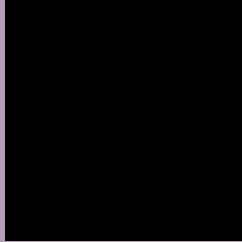
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8770, 0.3123, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 37.8770, 0.3123, 0.2982.



This preview shows how white text looks on a background with the Yxy color 37.8770, 0.3123, 0.2982.

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

37.8770, 0.3123, 0.2982

Protanopia

37.8402, 0.2942, 0.2998

Deuteranopia

37.8658, 0.3066, 0.3004



Tritanopia

37.7424, 0.3193, 0.3113

Trichromacy



Original Color

37.8770, 0.3123, 0.2982

Protanomaly

37.7364, 0.3003, 0.2988

Deuteranomaly

37.7491, 0.3085, 0.2992

Tritanomaly

37.8599, 0.3166, 0.3073

Monochromacy



Original Color

37.8770, 0.3123, 0.2982

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.6981, 0.3123, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8770, 0.3123, 0.2982 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, 159, 182)` looks like.

```
.text, #text, p{  
    color:rgb(180, 159, 182)  
}
```

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, 159, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 159, 182) }
```

Border

The CSS property to change the border of an element to Yxy 37.8770, 0.3123, 0.2982 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, 159, 182) }
```

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

```
.border{ border-color:rgb(180, 159, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 159, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 159, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 159, 182);  
box-shadow:4px 4px 4px 4px rgb(180, 159,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8770, 0.3123, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 159, 182) }
```

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

```
.background{ background-color: rgb(180,  
159, 182) }
```

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