

Converting Colors

$Y_{xy}(11.3865, 0.2871, 0.1685)$

Have a look what the booklet for
Yxy(11.3865, 0.2871, 0.1685)
contains.

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Color

Yxy(11.3937, 0.2872, 0.1686)

Conversions

Conversions Part 1

Format	Color
Hex	8E39A5
RGB	142, 57, 165
RGB Percent	56%, 22%, 65%
CMY	0.4432, 0.7764, 0.3529
CMYK	0.14, 0.65, 0.00, 0.35
HSL	287°, 49%, 44%
HSV	287°, 65%, 65%
XYZ	19.4085, 11.3937, 36.7761
YIQ	94.7270, 15.9920, 51.6080

Conversions

Conversions Part 2

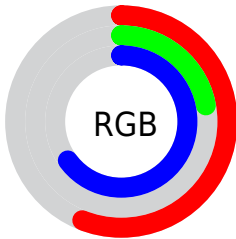
Format	Color
R_{YB}	142, 57, 165
Decimal	9320869
CIE _{Lab}	40.24, 52.04, -42.32
CIE _{LCh}	40, 67.077, 320.877
Yxy	11.3937, 0.2872, 0.1686
Android (android.graphics.Color)	4287510949 (0xFF8E39A5)
YUV	94.7270, 34.6446, 41.4584
Hunter-Lab	33.7546, 43.5650, -40.9692

Details

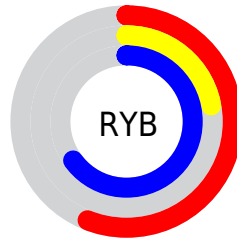
The Yxy color **11.3937, 0.2872, 0.1686** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **28.9149, 0.3186, 0.5262**, and the grayscale version is **11.2894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3781, 0.2952, 0.1999**, and **3.2446, 0.2695, 0.1258** is the 20% darker color. If you saturate the color by 10%, you get **9.7127, 0.2817, 0.1509**, and if you desaturate by 10%, it is **13.6156, 0.2925, 0.1899**.

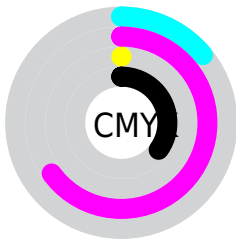
Distribution



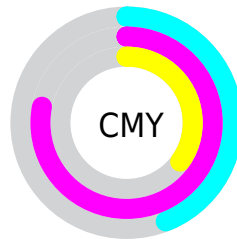
- Red (56%)
- Green (22%)
- Blue (65%)



- Red (56%)
- Yellow (22%)
- Blue (65%)



- Cyan (14%)
- Magenta (65%)
- Yellow (0%)
- Black (35%)




- Cyan (44%)
- Magenta (78%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3937, 0.2872, 0.1686 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 11.3937, 0.2872, 0.1686 by changing the saturation by 10% instead.


 11.3937, 0.2872,
0.1686


 11.3937, 0.2872,
0.1686

200.3490, 0.3060,
0.2538


 6.3323, 0.2798,
0.1468


 28.3859, 0.2959,
0.2003


 3.0482, 0.2684,
0.1192


 41.0855, 0.2985,
0.2120


 1.1569, 0.2496,
0.0843

 57.1000, 0.3006,
0.2218

 0.0261, 0.2250,
0.0043

 76.8137, 0.3022,
0.2302

 0.0000, 0.1066,
0.0000

 100.6111, 0.3034,
0.2374

 0.0000, 0.0000,
0.0000

 128.8765, 0.3045,

0.2436

161.9943, 0.3053,
0.2490

■ 11.3937, 0.2872,
0.1686

■ 11.3937, 0.2872,
0.1686

■ 9.7127, 0.2817,
0.1509

■ 13.6156, 0.2925,
0.1899

■ 8.5176, 0.2760,
0.1375

■ 16.4235, 0.2974,
0.2137

■ 7.7400, 0.2704,
0.1284

■ 19.8592, 0.3017,
0.2392

■ 7.4495, 0.2679,
0.1250

■ 23.9605, 0.3055,
0.2653

■ 28.7621, 0.3088,
0.2911

■ 34.2961, 0.3115,
0.3160

■ 40.5927, 0.3137,
0.3395

■ 47.6805, 0.3154,
0.3615

■ 55.5864, 0.3168,
0.3818

Harmonies

Analogous

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



11.3937, 0.1770, 0.1405



11.3937, 0.2872, 0.1686



11.3937, 0.4409, 0.2247

Triad

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



11.3937, 0.2872, 0.1686



11.3937, 0.5147, 0.4761



11.3937, 0.1108, 0.2860

Complementary

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



11.3937, 0.2872, 0.1686



28.9149, 0.3186, 0.5262

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.



11.3937, 0.1710, 0.4688



11.3937, 0.2872, 0.1686



11.3937, 0.4007, 0.5756

Square

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



11.3937, 0.2872, 0.1686



11.3937, 0.5816, 0.3776



11.3937, 0.2781, 0.6042



11.3937, 0.0974, 0.1823

Rectangle

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



11.3937, 0.2872, 0.1686



11.3937, 0.5326, 0.2724



11.3937, 0.2781, 0.6042



11.3937, 0.1248, 0.3401

Sweetspot

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



11.3942, 0.2872, 0.1686



47.1161, 0.3072, 0.2784



9.3851, 0.1976, 0.1630



9.8102, 0.3064, 0.2716



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



11.3942, 0.2872, 0.1686



16.2210, 0.2788, 0.1436



12.6604, 0.3675, 0.2183



7.1256, 0.3105, 0.3066



5.6572, 0.2685, 0.1253



0.1369, 0.2887, 0.1364

Inverse Universe

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



11.5074, 0.4752, 0.2967



16.7965, 0.5352, 0.2975



28.4808, 0.2857, 0.4817



7.1095, 0.3253, 0.3242



6.1504, 0.5997, 0.3077



0.1355, 0.5102, 0.2584

Previews

White Background



This preview shows how the Yxy color 11.3937, 0.2872, 0.1686 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 11.3937, 0.2872, 0.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

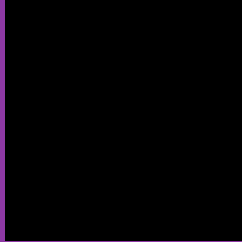
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3937, 0.2872, 0.1686

Background



This preview shows how black text looks on a background with the Yxy color 11.3937, 0.2872, 0.1686.



This preview shows how white text looks on a background with the Yxy color 11.3937, 0.2872, 0.1686.

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

11.3937, 0.2872, 0.1686

Protanopia

11.6398, 0.1742, 0.1470

Deuteranopia

11.6466, 0.2073, 0.2024



Tritanopia

11.3983, 0.3906, 0.3175

Trichromacy



Original Color

11.3937, 0.2872, 0.1686



Protanomaly

9.8248, 0.1855, 0.1405



Deuteranomaly

10.6340, 0.2265, 0.1800



Tritanomaly

11.0234, 0.3504, 0.2507

Monochromacy



Original Color

11.3937, 0.2872, 0.1686



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

10.6857, 0.3038, 0.2494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3937, 0.2872, 0.1686 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(142, 57, 165)` looks like.

```
.text, #text, p{  
    color:rgb(142, 57, 165)  
}
```

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(142, 57, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 57, 165) }
```

Border

The CSS property to change the border of an element to Yxy 11.3937, 0.2872, 0.1686 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(142, 57, 165) }
```

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

```
.border{ border-color:rgb(142, 57, 165) }
```

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

Here you see how a box with a 4 pixel rgb(142, 57, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 57, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 57, 165);  
box-shadow:4px 4px 4px 4px rgb(142, 57,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3937, 0.2872, 0.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 57, 165) }
```

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

```
.background{ background-color: rgb(142, 57,  
165) }
```

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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