

Converting Colors

$Y_{xy}(36.4240, 0.2700, 0.2349)$

Have a look what the booklet for
Yxy(36.4240, 0.2700, 0.2349)
contains.

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Color

Yxy(36.3949, 0.2698, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	AC97E2
RGB	172, 151, 226
RGB Percent	67%, 59%, 89%
CMY	0.3252, 0.4079, 0.1136
CMYK	0.24, 0.33, 0.00, 0.11
HSL	257°, 56%, 74%
HSV	257°, 33%, 89%
XYZ	41.8200, 36.3949, 76.7889
YIQ	165.8290, -11.5590, 27.7770

Conversions

Conversions Part 2

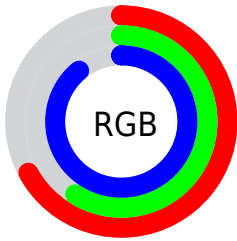
Format	Color
RYB	172, 151, 226
Decimal	11311074
CIELab	66.82, 23.31, -35.23
CIElCh	67, 42.242, 303.489
Yxy	36.3949, 0.2698, 0.2348
Android (android.graphics.Color)	4289501154 (0xFFAC97E2)
YUV	165.8290, 29.6643, 5.4120
Hunter-Lab	60.3282, 18.1635, -33.2377

Details

The Yxy color $36.3949, 0.2698, 0.2348$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $69.6095, 0.3466, 0.4163$, and the grayscale version is $37.9088, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.3766, 0.2957, 0.2772$, and $15.8682, 0.2563, 0.2109$ is the 20% darker color. If you saturate the color by 10%, you get $28.0781, 0.2534, 0.2023$, and if you desaturate by 10%, it is $46.3340, 0.2847, 0.2659$.

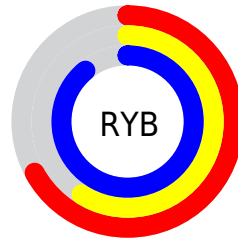
Distribution



Red (67%)

Green (59%)

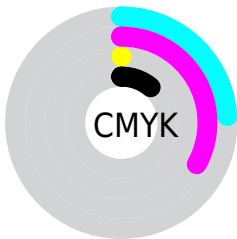
Blue (89%)



Red (67%)

Yellow (59%)

Blue (89%)

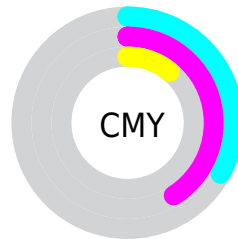


Cyan (24%)

Magenta (33%)

Yellow (0%)

Black (11%)



Cyan (33%)

Magenta (41%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3949, 0.2698, 0.2348 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 36.3949, 0.2698, 0.2348 by changing the saturation by 10% instead.


 36.3949, 0.2698,
0.2348


 36.3949, 0.2698,
0.2348


330.6833, 0.2924,
0.2805

 24.7393, 0.2639,
0.2240


 69.6412, 0.2782,
0.2510

 15.8830, 0.2562,
0.2104


 92.0006, 0.2813,
0.2572

 9.4414, 0.2459,
0.1931


118.6969, 0.2839,
0.2625

 5.0302, 0.2314,
0.1704

150.1143, 0.2862,
0.2671

 2.2650, 0.2100,
0.1398

186.6372, 0.2881,
0.2711

 0.7551, 0.1763,
0.0972

228.6501, 0.2897,

 0.0000, 0.0837,

0.2746

0.0000

276.5373, 0.2912,
0.2777

0.0000, 0.0000,
0.0000

36.3949, 0.2698,
0.2348

36.3949, 0.2698,
0.2348

28.0781, 0.2534,
0.2023

46.3340, 0.2847,
0.2659

21.2911, 0.2360,
0.1698

57.9723, 0.2979,
0.2949

15.9389, 0.2184,
0.1389

71.3869, 0.3094,
0.3212

11.9134, 0.2014,
0.1119

86.6491, 0.3193,
0.3447

9.0907, 0.1862,
0.0904

97.9554, 0.3287,
0.3572

■ 7.3223, 0.1737,
0.0758

■ 98.2723, 0.3297,
0.3571

■ 6.5659, 0.1668,
0.0693

Harmonies

Analogous

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



36.3949, 0.2239, 0.2306



36.3949, 0.2698, 0.2348



36.3949, 0.3326, 0.2587

Triad

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



36.3949, 0.2698, 0.2348



36.3949, 0.4363, 0.3934



36.3949, 0.2328, 0.3571

Complementary

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



36.3949, 0.2698, 0.2348



69.6095, 0.3466, 0.4163

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.



36.3949, 0.2841, 0.4182



36.3949, 0.2698, 0.2348



36.3949, 0.4024, 0.4327

Square

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



36.3949, 0.2698, 0.2348



36.3949, 0.4349, 0.3450



36.3949, 0.3463, 0.4461



36.3949, 0.2041, 0.2933

Rectangle

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



36.3949, 0.2698, 0.2348



36.3949, 0.3760, 0.2834



36.3949, 0.3463, 0.4461



36.3949, 0.2478, 0.3794

Sweetspot

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



36.3963, 0.2698, 0.2348



81.4827, 0.3017, 0.3034



56.2177, 0.2624, 0.3038



16.9252, 0.3000, 0.2996



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.



36.3963, 0.2698, 0.2348



39.9063, 0.2584, 0.2119



41.1028, 0.3010, 0.2428



13.4288, 0.3024, 0.3051



3.7966, 0.1682, 0.0700



0.3074, 0.1845, 0.0790

Inverse Universe

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



42.7034, 0.3355, 0.2681



49.5521, 0.3419, 0.2551



65.0179, 0.3199, 0.4241



13.8665, 0.3181, 0.3123



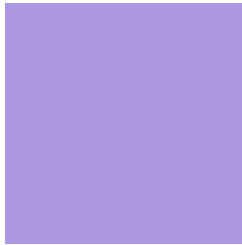
10.7438, 0.4071, 0.2017



0.7598, 0.3908, 0.1926

Previews

White Background



This preview shows how the Yxy color 36.3949, 0.2698, 0.2348 looks on a white background.

Color Contrast Check

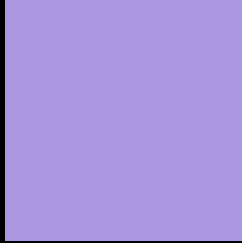
Large Text (above 18pt) WCAG AA × Fail

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 36.3949, 0.2698, 0.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

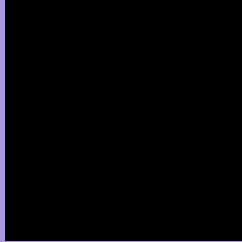
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3949, 0.2698, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 36.3949, 0.2698, 0.2348.



This preview shows how white text looks on a background with the Yxy color 36.3949, 0.2698, 0.2348.

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

36.3949, 0.2698, 0.2348

Protanopia

36.5138, 0.2422, 0.2332

Deuteranopia

36.7112, 0.2504, 0.2450



Tritanopia

36.2271, 0.3024, 0.3105

Trichromacy



Original Color

36.3949, 0.2698, 0.2348

Protanomaly

36.4064, 0.2517, 0.2344

Deuteranomaly

36.4202, 0.2571, 0.2402

Tritanomaly

36.0712, 0.2902, 0.2798

Monochromacy



Original Color

36.3949, 0.2698, 0.2348

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

37.4454, 0.2961, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3949, 0.2698, 0.2348 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(172, 151, 226)` looks like.

```
.text, #text, p{  
    color:rgb(172, 151, 226)  
}
```

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(172, 151, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 151, 226) }
```

Border

The CSS property to change the border of an element to Yxy 36.3949, 0.2698, 0.2348 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(172, 151, 226) }
```

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

```
.border{ border-color:rgb(172, 151, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 151, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 151, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 151, 226);  
box-shadow:4px 4px 4px 4px rgb(172, 151,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3949, 0.2698, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 151, 226) }
```

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

```
.background{ background-color: rgb(172,  
151, 226) }
```

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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