

Converting Colors

$Y_{xy}(37.2910, 0.2931, 0.2747)$

Have a look what the booklet for
Yxy(37.2910, 0.2931, 0.2747)
contains.

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Color

Yxy(37.1898, 0.2932, 0.2747)

Conversions

Conversions Part 1

Format	Color
Hex	AE9DC6
RGB	174, 157, 198
RGB Percent	68%, 62%, 78%
CMY	0.3179, 0.3842, 0.2236
CMYK	0.12, 0.21, 0.00, 0.22
HSL	265°, 26%, 70%
HSV	265°, 21%, 78%
XYZ	39.6944, 37.1898, 58.4991
YIQ	166.7570, -3.0290, 16.3550

Conversions

Conversions Part 2

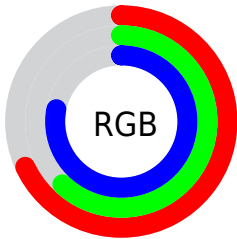
Format	Color
RYB	174, 157, 198
Decimal	11443654
CIELab	67.42, 14.17, -18.76
CIELCh	67, 23.514, 307.064
Yxy	37.1898, 0.2932, 0.2747
Android (android.graphics.Color)	4289633734 (0xFFAE9DC6)
YUV	166.7570, 15.4028, 6.3521
Hunter-Lab	60.9834, 9.4654, -14.1863

Details

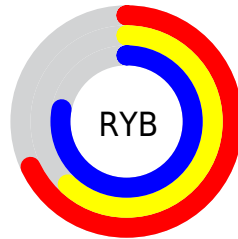
The Yxy color **37.1898, 0.2932, 0.2747** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.6447, 0.3294, 0.3824**, and the grayscale version is **38.4418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1300, 0.2972, 0.2848**, and **16.3866, 0.2866, 0.2599** is the 20% darker color. If you saturate the color by 10%, you get **29.7482, 0.2816, 0.2454**, and if you desaturate by 10%, it is **45.8355, 0.3034, 0.3022**.

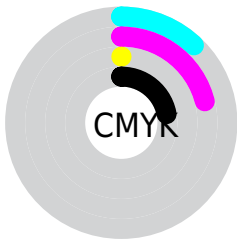
Distribution



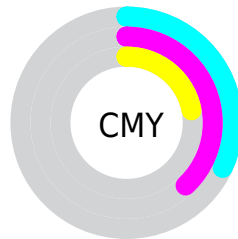
- Red (68%)
- Green (62%)
- Blue (78%)



- Red (68%)
- Yellow (62%)
- Blue (78%)



- Cyan (12%)
- Magenta (21%)
- Yellow (0%)
- Black (22%)



- Cyan (32%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1898, 0.2932, 0.2747 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 37.1898, 0.2932, 0.2747 by changing the saturation by 10% instead.

■ 37.1898, 0.2932,
0.2747

■ 37.1898, 0.2932,
0.2747

334.1315, 0.3036,
0.3019

■ 25.3545, 0.2904,
0.2679

■ 70.8646, 0.2971,
0.2846

■ 16.3414, 0.2868,
0.2593

■ 93.4729, 0.2985,
0.2883

■ 9.7660, 0.2817,
0.2478

120.4409, 0.2997,
0.2914

■ 5.2441, 0.2743,
0.2319

152.1531, 0.3007,
0.2941

■ 2.3912, 0.2626,
0.2085

188.9939, 0.3016,
0.2964

■ 0.8213, 0.2418,
0.1712

231.3476, 0.3023,


■ 0.0000, 0.0692,


0.2985


0.0000


279.5987, 0.3030,
0.3003


 0.0000, 0.0000,
0.0000


 37.1898, 0.2932,
0.2747


 37.1898, 0.2932,
0.2747


 29.7482, 0.2816,
0.2454


 45.8355, 0.3034,
0.3022

 23.4508, 0.2685,
0.2148


 55.7320, 0.3122,
0.3274


 18.2398, 0.2543,
0.1842

 66.9293, 0.3196,
0.3502

 14.0500, 0.2394,
0.1548

 79.4733, 0.3259,
0.3706

 10.8092, 0.2243,
0.1284

 92.7581, 0.3314,
0.3879

■ 8.4351, 0.2099,
0.1065

■ 94.7676, 0.3390,
0.3864

■ 6.8307, 0.1968,
0.0903

■ 96.8563, 0.3466,
0.3850

■ 5.8611, 0.1862,
0.0799

Harmonies

Analogous

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



37.1898, 0.2643, 0.2715



37.1898, 0.2932, 0.2747



37.1898, 0.3290, 0.2904

Triad

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



37.1898, 0.2932, 0.2747



37.1898, 0.3807, 0.3714



37.1898, 0.2650, 0.3409

Complementary

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



37.1898, 0.2932, 0.2747



52.6447, 0.3294, 0.3824

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.



37.1898, 0.2941, 0.3728



37.1898, 0.2932, 0.2747



37.1898, 0.3613, 0.3894

Square

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



37.1898, 0.2932, 0.2747



37.1898, 0.3812, 0.3443



37.1898, 0.3293, 0.3909



37.1898, 0.2488, 0.3074

Rectangle

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



37.1898, 0.2932, 0.2747



37.1898, 0.3519, 0.3062



37.1898, 0.3293, 0.3909



37.1898, 0.2735, 0.3524

Sweetspot

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



37.1914, 0.2932, 0.2747



88.9604, 0.3076, 0.3140



44.5383, 0.2807, 0.3068



18.7949, 0.3070, 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.



37.1914, 0.2932, 0.2747



59.4330, 0.2879, 0.2611



39.6528, 0.3113, 0.2776



10.4979, 0.3046, 0.3056



3.8600, 0.1875, 0.0807



0.2250, 0.2117, 0.0940

Inverse Universe

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



39.4641, 0.3304, 0.2985



64.2689, 0.3354, 0.2912



50.4035, 0.3133, 0.3851



10.7396, 0.3200, 0.3155



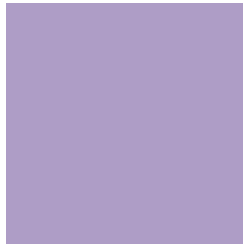
8.6480, 0.4579, 0.2296



0.4236, 0.4219, 0.2098

Previews

White Background



This preview shows how the Yxy color 37.1898, 0.2932, 0.2747 looks on a white background.

Color Contrast Check

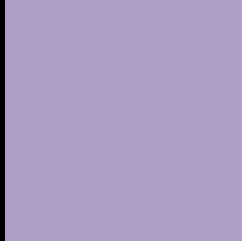
Large Text (above 18pt) WCAG AA × Fail

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 37.1898, 0.2932, 0.2747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

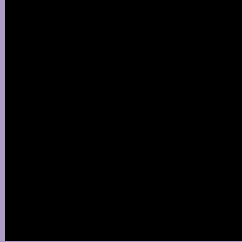
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1898, 0.2932, 0.2747

Background



This preview shows how black text looks on a background with the Yxy color 37.1898, 0.2932, 0.2747.



This preview shows how white text looks on a background with the Yxy color 37.1898, 0.2932, 0.2747.

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

37.1898, 0.2932, 0.2747

Protanopia

37.4272, 0.2744, 0.2755

Deuteranopia

37.4135, 0.2855, 0.2801



Tritanopia

37.0918, 0.3098, 0.3109

Trichromacy



Original Color

37.1898, 0.2932, 0.2747

Protanomaly

37.3882, 0.2807, 0.2748

Deuteranomaly

37.4977, 0.2889, 0.2792

Tritanomaly

37.2184, 0.3030, 0.2975

Monochromacy



Original Color

37.1898, 0.2932, 0.2747

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.9548, 0.3063, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1898, 0.2932, 0.2747 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(174, 157, 198)` looks like.

```
.text, #text, p{  
    color:rgb(174, 157, 198)  
}
```

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(174, 157, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 157, 198) }
```

Border

The CSS property to change the border of an element to Yxy 37.1898, 0.2932, 0.2747 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(174, 157, 198) }
```

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

```
.border{ border-color:rgb(174, 157, 198) }
```

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

Here you see how a box with a 4 pixel rgb(174, 157, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 157, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 157, 198);  
box-shadow:4px 4px 4px 4px rgb(174, 157,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1898, 0.2932, 0.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 157, 198) }
```

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

```
.background{ background-color: rgb(174,  
157, 198) }
```

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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