

Converting Colors

$Y_{xy}(28.5150, 0.2943, 0.2692)$

Have a look what the booklet for
Yxy(28.5150, 0.2943, 0.2692)
contains.

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Color

Yxy(28.3748, 0.2949, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	9E89B2
RGB	158, 137, 178
RGB Percent	62%, 54%, 70%
CMY	0.3803, 0.4628, 0.3020
CMYK	0.11, 0.23, 0.00, 0.30
HSL	271°, 21%, 62%
HSV	271°, 23%, 70%
XYZ	31.0837, 28.3748, 45.9457
YIQ	147.9530, -0.6450, 17.2030

Conversions

Conversions Part 2

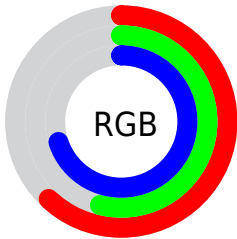
Format	Color
RYB	158, 137, 178
Decimal	10389938
CIELab	60.23, 15.92, -18.59
CIElCh	60, 24.476, 310.586
Yxy	28.3748, 0.2949, 0.2692
Android (android.graphics.Color)	4288580018 (0xFF9E89B2)
YUV	147.9530, 14.8132, 8.8112
Hunter-Lab	53.2680, 10.9418, -13.8523

Details

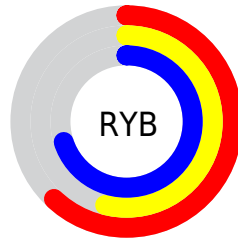
The Yxy color $28.3748, 0.2949, 0.2692$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $40.8010, 0.3274, 0.3891$, and the grayscale version is $29.5324, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9136, 0.2987, 0.2800$, and $11.3612, 0.2880, 0.2507$ is the 20% darker color. If you saturate the color by 10%, you get $22.8784, 0.2852, 0.2406$, and if you desaturate by 10%, it is $34.7702, 0.3034, 0.2964$.

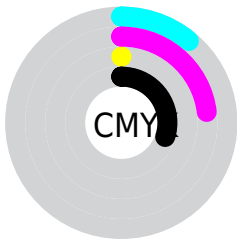
Distribution



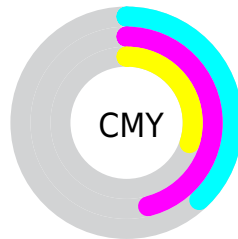
- Red (62%)
- Green (54%)
- Blue (70%)



- Red (62%)
- Yellow (54%)
- Blue (70%)



- Cyan (11%)
- Magenta (23%)
- Yellow (0%)
- Black (30%)



- Cyan (38%)
- Magenta (46%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3748, 0.2949, 0.2692 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 28.3748, 0.2949, 0.2692 by changing the saturation by 10% instead.


 28.3748, 0.2949,
0.2692


 28.3748, 0.2949,
0.2692


294.2535, 0.3049,
0.3003

 18.6084, 0.2920,
0.2611


 57.0823, 0.2988,
0.2808

 11.3876, 0.2881,
0.2504


 76.7921, 0.3002,
0.2850

 6.3282, 0.2824,
0.2359


 100.5852, 0.3013,
0.2886

 3.0457, 0.2735,
0.2150

128.8460, 0.3023,
0.2917

 1.1556, 0.2580,
0.1828

161.9588, 0.3031,
0.2943

 0.0250, 0.2277,
0.0138

200.3081, 0.3038,

 0.0000, 0.0000,

0.2965

0.0000

244.2782, 0.3044,
0.2985

■ 28.3748, 0.2949,
0.2692

■ 28.3748, 0.2949,
0.2692

■ 22.8784, 0.2852,
0.2406

■ 34.7702, 0.3034,
0.2964

■ 18.2352, 0.2742,
0.2114

■ 42.1003, 0.3107,
0.3217

■ 14.4009, 0.2623,
0.1825

■ 50.4033, 0.3169,
0.3450

■ 11.3252, 0.2497,
0.1555

■ 59.7140, 0.3221,
0.3661

■ 8.9526, 0.2369,
0.1315

■ 70.0655, 0.3265,
0.3850

7.2189, 0.2244,
0.1121

81.4896, 0.3301,
0.4020

6.0482, 0.2127,
0.0979

89.7444, 0.3341,
0.4112

5.4540, 0.2052,
0.0904

91.1211, 0.3398,
0.4097

92.5687, 0.3456,
0.4081

Harmonies

Analogous

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



28.3748, 0.2610, 0.2636



28.3748, 0.2949, 0.2692



28.3748, 0.3359, 0.2883

Triad

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



28.3748, 0.2949, 0.2692



28.3748, 0.3885, 0.3798



28.3748, 0.2555, 0.3377

Complementary

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



28.3748, 0.2949, 0.2692



40.8010, 0.3274, 0.3891

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.



28.3748, 0.2869, 0.3756



28.3748, 0.2949, 0.2692



28.3748, 0.3640, 0.3991

Square

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



28.3748, 0.2949, 0.2692



28.3748, 0.3920, 0.3496



28.3748, 0.3265, 0.3987



28.3748, 0.2395, 0.3001

Rectangle

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



28.3748, 0.2949, 0.2692



28.3748, 0.3615, 0.3066



28.3748, 0.3265, 0.3987



28.3748, 0.2645, 0.3511

Sweetspot

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



28.3760, 0.2949, 0.2692



70.7116, 0.3079, 0.3116



32.8110, 0.2768, 0.2979



15.4917, 0.3074, 0.3101



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



28.3760, 0.2949, 0.2692



45.8309, 0.2897, 0.2537



30.5666, 0.3154, 0.2728



8.4373, 0.3063, 0.3060



3.9411, 0.2063, 0.0910



0.1586, 0.2373, 0.1081

Inverse Universe

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



29.7858, 0.3371, 0.3008



48.9396, 0.3445, 0.2937



38.9561, 0.3097, 0.3924



8.5719, 0.3213, 0.3180



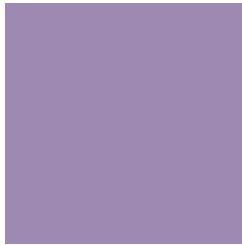
7.2734, 0.4983, 0.2519



0.2407, 0.4363, 0.2177

Previews

White Background



This preview shows how the Yxy color 28.3748, 0.2949, 0.2692 looks on a white background.

Color Contrast Check

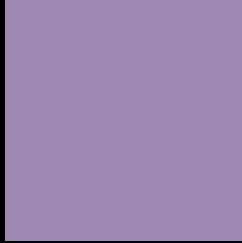
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 28.3748, 0.2949, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

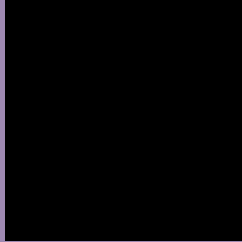
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3748, 0.2949, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 28.3748, 0.2949, 0.2692.



This preview shows how white text looks on a background with the Yxy color 28.3748, 0.2949, 0.2692.

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

28.3748, 0.2949, 0.2692

Protanopia

28.5997, 0.2703, 0.2696

Deuteranopia

28.4496, 0.2823, 0.2759



Tritanopia

28.5159, 0.3146, 0.3120

Trichromacy



Original Color

28.3748, 0.2949, 0.2692

Protanomaly

28.3152, 0.2788, 0.2689

Deuteranomaly

28.3201, 0.2870, 0.2736

Tritanomaly

28.3334, 0.3069, 0.2956

Monochromacy



Original Color

28.3748, 0.2949, 0.2692

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.1251, 0.3065, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3748, 0.2949, 0.2692 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(158, 137, 178)` looks like.

```
.text, #text, p{  
    color:rgb(158, 137, 178)  
}
```

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(158, 137, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 137, 178) }
```

Border

The CSS property to change the border of an element to Yxy 28.3748, 0.2949, 0.2692 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(158, 137, 178) }
```

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

```
.border{ border-color:rgb(158, 137, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 137, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 137, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 137, 178);  
box-shadow:4px 4px 4px 4px rgb(158, 137,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3748, 0.2949, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 137, 178) }
```

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

```
.background{ background-color: rgb(158,  
137, 178) }
```

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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