

Converting Colors

$Y_{xy}(35.6970, 0.2872, 0.2702)$

Have a look what the booklet for
Yxy(35.6970, 0.2872, 0.2702)
contains.

Yxy(35.8447, 0.2878, 0.2710)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.8447, 0.2878, 0.2710)

Conversions

Conversions Part 1

Format	Color
Hex	A89BC6
RGB	168, 155, 198
RGB Percent	66%, 61%, 78%
CMY	0.3411, 0.3922, 0.2234
CMYK	0.15, 0.22, 0.00, 0.22
HSL	258°, 27%, 69%
HSV	258°, 22%, 78%
XYZ	38.0668, 35.8447, 58.3568
YIQ	163.7890, -6.0550, 16.1290

Conversions

Conversions Part 2

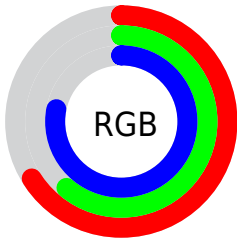
Format	Color
RYB	168, 155, 198
Decimal	11049926
CIELab	66.40, 13.38, -20.39
CIELCh	66, 24.386, 303.279
Yxy	35.8447, 0.2878, 0.2710
Android (android.graphics.Color)	4289240006 (0xFFA89BC6)
YUV	163.7890, 16.8660, 3.6930
Hunter-Lab	59.8704, 8.7205, -15.8817

Details

The Yxy color **35.8447, 0.2878, 0.2710** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.0855, 0.3342, 0.3846**, and the grayscale version is **36.9411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.5089, 0.2923, 0.2809**, and **15.6272, 0.2803, 0.2549** is the 20% darker color. If you saturate the color by 10%, you get **28.3498, 0.2737, 0.2406**, and if you desaturate by 10%, it is **44.5845, 0.3002, 0.2992**.

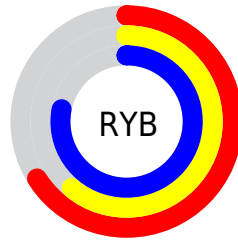
Distribution



Red (66%)

Green (61%)

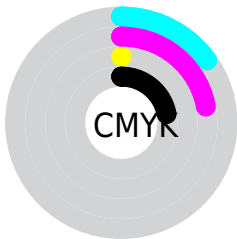
Blue (78%)



Red (66%)

Yellow (61%)

Blue (78%)

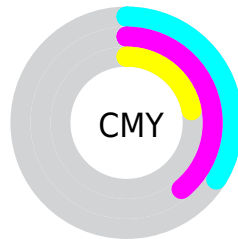


Cyan (15%)

Magenta (22%)

Yellow (0%)

Black (22%)



Cyan (34%)


Magenta (39%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8447, 0.2878, 0.2710 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 35.8447, 0.2878, 0.2710 by changing the saturation by 10% instead.

 35.8447, 0.2878,
0.2710


 35.8447, 0.2878,
0.2710


328.2812, 0.3010,
0.3002

 24.3143, 0.2843,
0.2637


 68.7923, 0.2928,
0.2816

 15.5669, 0.2796,
0.2543


 90.9783, 0.2946,
0.2856

 9.2182, 0.2732,
0.2419


117.4849, 0.2961,
0.2890

 4.8838, 0.2639,
0.2246

148.6965, 0.2974,
0.2919

 2.1792, 0.2492,
0.1992

184.9976, 0.2985,
0.2944

 0.7086, 0.2237,
0.1569

226.7724, 0.2994,

 0.0000, 0.0000,

0.2965

0.0000

274.4055, 0.3003,
0.2985

■ 35.8447, 0.2878,
0.2710

■ 35.8447, 0.2878,
0.2710

■ 28.3498, 0.2737,
0.2406

■ 44.5845, 0.3002,
0.2992

■ 22.0379, 0.2582,
0.2088

■ 54.6188, 0.3110,
0.3248

■ 16.8480, 0.2415,
0.1767

■ 65.9994, 0.3203,
0.3478

■ 12.7120, 0.2243,
0.1459

■ 78.7745, 0.3281,
0.3682

■ 9.5541, 0.2075,
0.1184

■ 92.9894, 0.3348,
0.3863

■ 7.2881, 0.1921,
0.0959

■ 96.0893, 0.3438,
0.3855

■ 5.8116, 0.1789,
0.0799

■ 96.8587, 0.3466,
0.3850

■ 5.0356, 0.1701,
0.0711

Harmonies

Analogous

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



35.8447, 0.2591, 0.2694



35.8447, 0.2878, 0.2710



35.8447, 0.3249, 0.2859

Triad

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



35.8447, 0.2878, 0.2710



35.8447, 0.3853, 0.3701



35.8447, 0.2658, 0.3461

Complementary

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



35.8447, 0.2878, 0.2710



53.0855, 0.3342, 0.3846

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.



35.8447, 0.2976, 0.3785



35.8447, 0.2878, 0.2710



35.8447, 0.3671, 0.3908

Square

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



35.8447, 0.2878, 0.2710



35.8447, 0.3831, 0.3410



35.8447, 0.3346, 0.3951



35.8447, 0.2470, 0.3103

Rectangle

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



35.8447, 0.2878, 0.2710



35.8447, 0.3495, 0.3017



35.8447, 0.3346, 0.3951



35.8447, 0.2753, 0.3580

Sweetspot

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



35.8462, 0.2878, 0.2710



86.8495, 0.3054, 0.3114



45.7954, 0.2795, 0.3115



18.3586, 0.3047, 0.3098



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.



35.8462, 0.2878, 0.2710



57.0048, 0.2814, 0.2571



38.3935, 0.3072, 0.2743



10.4404, 0.3029, 0.3054



3.3132, 0.1713, 0.0717



0.1953, 0.1950, 0.0848

Inverse Universe

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



38.9552, 0.3271, 0.2910



63.5217, 0.3308, 0.2826



50.6193, 0.3167, 0.3877



10.7599, 0.3183, 0.3130



9.0192, 0.4144, 0.2057



0.4395, 0.3905, 0.1925

Previews

White Background



This preview shows how the Yxy color 35.8447, 0.2878, 0.2710 looks on a white background.

Color Contrast Check

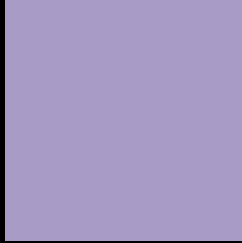
Large Text (above 18pt) WCAG AA × Fail

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 35.8447, 0.2878, 0.2710 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 35.8447, 0.2878, 0.2710

Background



This preview shows how black text looks on a background with the Yxy color 35.8447, 0.2878, 0.2710.



This preview shows how white text looks on a background with the Yxy color 35.8447, 0.2878, 0.2710.

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

35.8447, 0.2878, 0.2710

Protanopia

35.9380, 0.2715, 0.2720

Deuteranopia

35.8559, 0.2810, 0.2752



Tritanopia

36.0127, 0.3060, 0.3119

Trichromacy



Original Color

35.8447, 0.2878, 0.2710

Protanomaly

35.7919, 0.2770, 0.2712

Deuteranomaly

35.8265, 0.2835, 0.2742

Tritanomaly

35.7892, 0.2992, 0.2968

Monochromacy



Original Color

35.8447, 0.2878, 0.2710

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.6237, 0.3034, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8447, 0.2878, 0.2710 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(168, 155, 198)` looks like.

```
.text, #text, p{  
    color:rgb(168, 155, 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(168, 155, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 155, 198) }
```

Border

The CSS property to change the border of an element to Yxy 35.8447, 0.2878, 0.2710 is called "border". The border property can be set on classes, ids or directly on the HTML element.

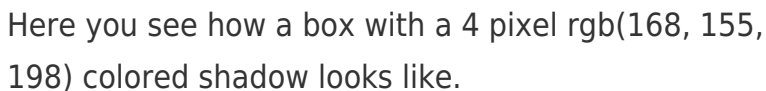
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 155, 198) }
```

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

```
.border{ border-color:rgb(168, 155, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 155, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 155, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 155, 198);  
box-shadow:4px 4px 4px 4px rgb(168, 155,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8447, 0.2878, 0.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 155, 198) }
```

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

```
.background{ background-color: rgb(168,  
155, 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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