

Converting Colors

$Y_{xy}(24.9201, 0.3485, 0.2711)$

Have a look what the booklet for
Yxy(24.9201, 0.3485, 0.2711)
contains.

Yxy(24.8861, 0.3481, 0.2708)	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(24.8861, 0.3481, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	B8739D
RGB	184, 115, 157
RGB Percent	72%, 45%, 62%
CMY	0.2783, 0.5491, 0.3843
CMYK	0.00, 0.38, 0.15, 0.28
HSL	323°, 33%, 59%
HSV	323°, 38%, 72%
XYZ	31.9899, 24.8861, 35.0225
YIQ	140.4190, 27.6420, 27.6900

Conversions

Conversions Part 2

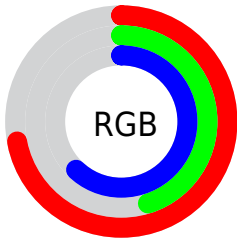
Format	Color
RYB	184, 115, 157
Decimal	12088221
CIELab	56.96, 33.30, -11.23
CIElCh	57, 35.141, 341.359
Yxy	24.8861, 0.3481, 0.2708
Android (android.graphics.Color)	4290278301 (0xFFB8739D)
YUV	140.4190, 8.1744, 38.2205
Hunter-Lab	49.8860, 27.1644, -6.7044

Details

The Yxy color **24.8861, 0.3481, 0.2708** is a light color, and the websafe version is hex **996699**. A complement of this color would be **39.8902, 0.2888, 0.3960**, and the grayscale version is **26.3571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4595, 0.3405, 0.2819**, and **9.5670, 0.3602, 0.2516** is the 20% darker color. If you saturate the color by 10%, you get **20.8627, 0.3615, 0.2556**, and if you desaturate by 10%, it is **29.7641, 0.3365, 0.2867**.

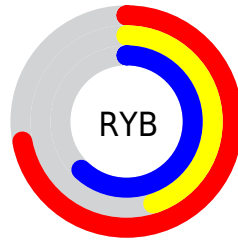
Distribution



Red (72%)

Green (45%)

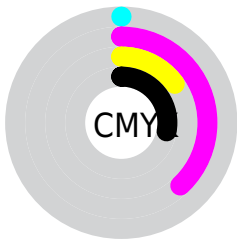
Blue (62%)



Red (72%)

Yellow (45%)

Blue (62%)

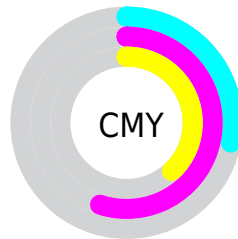


Cyan (0%)

Magenta (38%)

Yellow (15%)

Black (28%)



Cyan (28%)


Magenta (55%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8861, 0.3481, 0.2708 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 24.8861, 0.3481, 0.2708 by changing the saturation by 10% instead.


 24.8861, 0.3481,
0.2708


 24.8861, 0.3481,
0.2708


277.2702, 0.3293,
0.3015


 15.9922, 0.3532,
0.2626


 51.4724, 0.3410,
0.2823

 9.5186, 0.3600,
0.2518


 69.9336, 0.3384,
0.2866

 5.0810, 0.3695,
0.2367


 92.3527, 0.3362,
0.2901

 2.2949, 0.3838,
0.2147

119.1140, 0.3344,
0.2931

 0.7710, 0.4076,
0.1785

150.6021, 0.3328,
0.2956

 0.0000, 0.5406,
0.0000

187.2012, 0.3315,

 0.0000, 0.0000,

0.2978

0.0000

229.2958, 0.3303,
0.2998

■ 24.8861, 0.3481,
0.2708

■ 24.8861, 0.3481,
0.2708

■ 20.8627, 0.3615,
0.2556

■ 29.7641, 0.3365,
0.2867

■ 17.6400, 0.3766,
0.2421

■ 35.5393, 0.3265,
0.3025

■ 15.1634, 0.3931,
0.2312


■ 42.2559, 0.3181,
0.3179


■ 13.3701, 0.4106,
0.2242

■ 49.9540, 0.3111,
0.3326


■ 12.1865, 0.4284,
0.2219

■ 58.6713, 0.3052,
0.3463

 11.5038, 0.4460,
0.2245

 68.4436, 0.3003,
0.3590

 11.3644, 0.4504,
0.2255

 79.3049, 0.2962,
0.3707

 86.6007, 0.2926,
0.3740

 86.9782, 0.2889,
0.3657

Harmonies

Analogous

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



24.8861, 0.2868, 0.2436



24.8861, 0.3481, 0.2708



24.8861, 0.4036, 0.3108

Triad

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



24.8861, 0.3481, 0.2708



24.8861, 0.3856, 0.4337



24.8861, 0.2064, 0.2824

Complementary

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



24.8861, 0.3481, 0.2708



39.8902, 0.2888, 0.3960

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.



24.8861, 0.2275, 0.3390



24.8861, 0.3481, 0.2708



24.8861, 0.3294, 0.4362

Square

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



24.8861, 0.3481, 0.2708



24.8861, 0.4243, 0.4018



24.8861, 0.2716, 0.3997



24.8861, 0.2102, 0.2466

Rectangle

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



24.8861, 0.3481, 0.2708



24.8861, 0.4265, 0.3414



24.8861, 0.2716, 0.3997



24.8861, 0.2107, 0.2994

Sweetspot

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



24.8873, 0.3481, 0.2708



71.9076, 0.3210, 0.3124



21.4228, 0.2709, 0.2245



15.1466, 0.3222, 0.3103



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



24.8873, 0.3481, 0.2708



38.9846, 0.3590, 0.2582



23.8835, 0.3922, 0.3177



9.1016, 0.3196, 0.3152



7.8437, 0.4484, 0.2244



0.2883, 0.4074, 0.2018

Inverse Universe

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



24.8873, 0.3481, 0.2708



38.9846, 0.3590, 0.2582



41.0708, 0.2661, 0.3411



9.1016, 0.3196, 0.3152



7.8437, 0.4484, 0.2244



0.2883, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 24.8861, 0.3481, 0.2708 looks on a white background.

Color Contrast Check

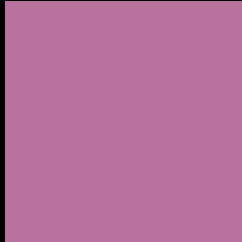
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8861, 0.3481, 0.2708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

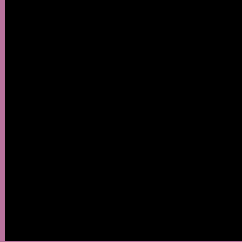
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8861, 0.3481, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 24.8861, 0.3481, 0.2708.



This preview shows how white text looks on a background with the Yxy color 24.8861, 0.3481, 0.2708.

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

24.8861, 0.3481, 0.2708

Protanopia

25.2157, 0.2725, 0.2726

Deuteranopia

24.9478, 0.3022, 0.2951



Tritanopia

24.8417, 0.3784, 0.3162

Trichromacy



Original Color

24.8861, 0.3481, 0.2708

Protanomaly

24.5811, 0.2967, 0.2702

Deuteranomaly

24.5574, 0.3183, 0.2844

Tritanomaly

24.7660, 0.3675, 0.2991

Monochromacy



Original Color

24.8861, 0.3481, 0.2708

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.3758, 0.3252, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8861, 0.3481, 0.2708 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(184, 115, 157)` looks like.

```
.text, #text, p{  
    color:rgb(184, 115, 157)  
}
```

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(184, 115, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 115, 157) }
```

Border

The CSS property to change the border of an element to Yxy 24.8861, 0.3481, 0.2708 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(184, 115, 157) }
```

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

```
.border{ border-color:rgb(184, 115, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 115, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 115, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 115, 157);  
box-shadow:4px 4px 4px 4px rgb(184, 115,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8861, 0.3481, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 115, 157) }
```

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

```
.background{ background-color: rgb(184,  
115, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor