

Converting Colors

$Y_{xy}(23.9210, 0.3769, 0.2940)$

Have a look what the booklet for
Yxy(23.9210, 0.3769, 0.2940)
contains.

Yxy(23.8336, 0.3770, 0.2941)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8336, 0.3770, 0.2941)

Conversions

Conversions Part 1

Format	Color
Hex	BA7089
RGB	186, 112, 137
RGB Percent	73%, 44%, 54%
CMY	0.2707, 0.5607, 0.4628
CMYK	0.00, 0.40, 0.26, 0.27
HSL	340°, 35%, 58%
HSV	340°, 40%, 73%
XYZ	30.5517, 23.8336, 26.6538
YIQ	136.9760, 36.0790, 23.4630

Conversions

Conversions Part 2

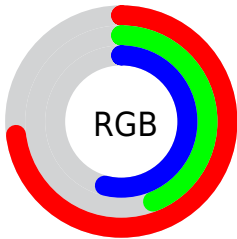
Format	Color
RYB	186, 112, 137
Decimal	12218505
CIELab	55.92, 32.50, -1.11
CIELCh	56, 32.522, 358.044
Yxy	23.8336, 0.3770, 0.2941
Android (android.graphics.Color)	4290408585 (0xFFBA7089)
YUV	136.9760, 0.0118, 42.9940
Hunter-Lab	48.8197, 26.2723, 1.8036

Details

The Yxy color **23.8336, 0.3770, 0.2941** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **41.1213, 0.2743, 0.3677**, and the grayscale version is **24.9976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8611, 0.3638, 0.3020**, and **8.9587, 0.4022, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **19.8114, 0.4020, 0.2857**, and if you desaturate by 10%, it is **28.7459, 0.3559, 0.3031**.

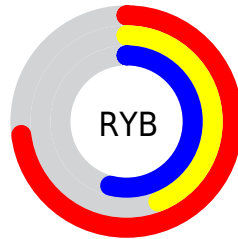
Distribution



Red (73%)

Green (44%)

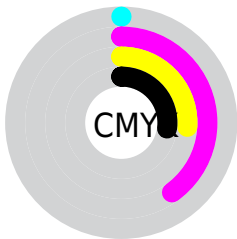
Blue (54%)



Red (73%)

Yellow (44%)

Blue (54%)

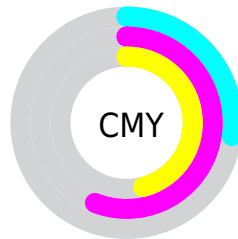


Cyan (0%)

Magenta (40%)

Yellow (26%)

Black (27%)



Cyan (27%)


Magenta (56%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8336, 0.3770, 0.2941 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 23.8336, 0.3770, 0.2941 by changing the saturation by 10% instead.


 23.8336, 0.3770,
0.2941


 23.8336, 0.3770,
0.2941


271.9781, 0.3414,
0.3133


 15.2102, 0.3872,
0.2886


 49.7585, 0.3631,
0.3016


 8.9671, 0.4013,
0.2811


 67.8289, 0.3582,
0.3042

 4.7197, 0.4218,
0.2702

 89.8170, 0.3542,
0.3064

 2.0838, 0.4544,
0.2531

 116.1073, 0.3508,
0.3082

 0.6555, 0.5184,
0.2182

147.0842, 0.3479,
0.3098

 0.0000, 1.0000,
0.0000

183.1320, 0.3454,

 0.0000, 0.0000,

0.3112

0.0000

224.6352, 0.3433,
0.3123

■ 23.8336, 0.3770,
0.2941

■ 23.8336, 0.3770,
0.2941

■ 19.8114, 0.4020,
0.2857

■ 28.7459, 0.3559,
0.3031

■ 16.6220, 0.4310,
0.2789

■ 34.5943, 0.3385,
0.3122

■ 14.2068, 0.4634,
0.2747


■ 41.4256, 0.3242,
0.3209


■ 12.4978, 0.4976,
0.2743


■ 49.2825, 0.3125,
0.3292

■ 11.4152, 0.5312,
0.2787

■ 58.2051, 0.3029,
0.3369


 10.8040, 0.5618,
0.2871

 68.2314, 0.2950,
0.3439

 10.7908, 0.5626,
0.2873

 79.3975, 0.2886,
0.3503

 87.9830, 0.2828,
0.3501

 88.7220, 0.2766,
0.3366

Harmonies

Analogous

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



23.8336, 0.3200, 0.2607



23.8336, 0.3770, 0.2941



23.8336, 0.4169, 0.3363

Triad

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



23.8336, 0.3770, 0.2941



23.8336, 0.3534, 0.4327



23.8336, 0.2113, 0.2638

Complementary

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



23.8336, 0.3770, 0.2941



41.1213, 0.2743, 0.3677

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.



23.8336, 0.2183, 0.3074



23.8336, 0.3770, 0.2941



23.8336, 0.2977, 0.4142

Square

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



23.8336, 0.3770, 0.2941



23.8336, 0.4006, 0.4170



23.8336, 0.2487, 0.3647



23.8336, 0.2277, 0.2422

Rectangle

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



23.8336, 0.3770, 0.2941



23.8336, 0.4262, 0.3659



23.8336, 0.2487, 0.3647



23.8336, 0.2110, 0.2761

Sweetspot

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



23.8347, 0.3770, 0.2941



71.9281, 0.3274, 0.3188



22.6204, 0.2887, 0.2238



15.4727, 0.3292, 0.3177



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



23.8347, 0.3770, 0.2941



36.5606, 0.3994, 0.2865



25.8000, 0.4047, 0.3450



9.0609, 0.3236, 0.3213



7.2758, 0.5591, 0.2854



0.2683, 0.4854, 0.2448

Inverse Universe

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



23.8347, 0.3770, 0.2941



36.5606, 0.3994, 0.2865



37.6001, 0.2560, 0.3120



9.0609, 0.3236, 0.3213



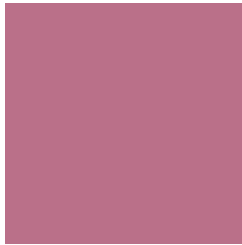
7.2758, 0.5591, 0.2854



0.2683, 0.4854, 0.2448

Previews

White Background



This preview shows how the Yxy color 23.8336, 0.3770, 0.2941 looks on a white background.

Color Contrast Check

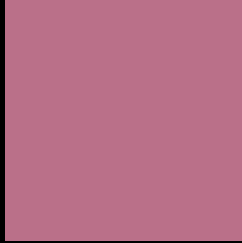
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8336, 0.3770, 0.2941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

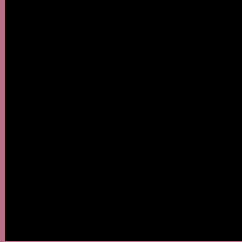
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8336, 0.3770, 0.2941

Background



This preview shows how black text looks on a background with the Yxy color 23.8336, 0.3770, 0.2941.



This preview shows how white text looks on a background with the Yxy color 23.8336, 0.3770, 0.2941.

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

23.8336, 0.3770, 0.2941

Protanopia

23.8826, 0.2944, 0.3003

Deuteranopia

23.9824, 0.3294, 0.3225



Tritanopia

23.7790, 0.3939, 0.3164

Trichromacy



Original Color

23.8336, 0.3770, 0.2941

Protanomaly

23.3870, 0.3225, 0.2970

Deuteranomaly

23.5966, 0.3466, 0.3103

Tritanomaly

23.6831, 0.3876, 0.3079

Monochromacy



Original Color

23.8336, 0.3770, 0.2941

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.2130, 0.3347, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8336, 0.3770, 0.2941 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(186, 112, 137)` looks like.

```
.text, #text, p{  
    color:rgb(186, 112, 137)  
}
```

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(186, 112, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 112, 137) }
```

Border

The CSS property to change the border of an element to Yxy 23.8336, 0.3770, 0.2941 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(186, 112, 137) }
```

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

```
.border{ border-color:rgb(186, 112, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 112, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 112, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 112, 137);  
box-shadow:4px 4px 4px 4px rgb(186, 112,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8336, 0.3770, 0.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 112, 137) }
```

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

```
.background{ background-color: rgb(186,  
112, 137) }
```

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