

Converting Colors

$Y_{xy}(23.8685, 0.3501, 0.2741)$

Have a look what the booklet for
Yxy(23.8685, 0.3501, 0.2741)
contains.

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Color

Yxy(23.7806, 0.3499, 0.2738)

Conversions

Conversions Part 1

Format	Color
Hex	B47198
RGB	180, 113, 152
RGB Percent	71%, 44%, 60%
CMY	0.2942, 0.5568, 0.4040
CMYK	0.00, 0.37, 0.16, 0.29
HSL	325°, 31%, 57%
HSV	325°, 37%, 71%
XYZ	30.3902, 23.7806, 32.6831
YIQ	137.4790, 27.4130, 26.3330

Conversions

Conversions Part 2

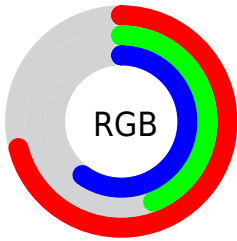
Format	Color
RYB	180, 113, 152
Decimal	11825560
CIELab	55.87, 32.13, -10.00
CIELCh	56, 33.649, 342.708
Yxy	23.7806, 0.3499, 0.2738
Android (android.graphics.Color)	4290015640 (0xFFB47198)
YUV	137.4790, 7.1589, 37.2909
Hunter-Lab	48.7654, 25.9004, -5.6011

Details

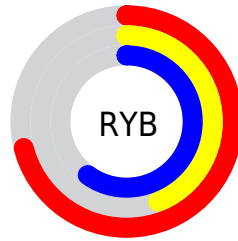
The Yxy color **23.7806, 0.3499, 0.2738** is a light color, and the websafe version is hex **996699**. A complement of this color would be **38.0711, 0.2878, 0.3921**, and the grayscale version is **25.1723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7332, 0.3426, 0.2854**, and **8.9302, 0.3635, 0.2550** is the 20% darker color. If you saturate the color by 10%, you get **19.9165, 0.3642, 0.2592**, and if you desaturate by 10%, it is **28.4589, 0.3376, 0.2890**.

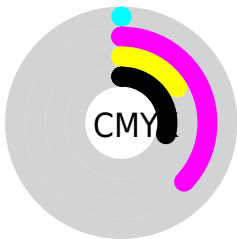
Distribution



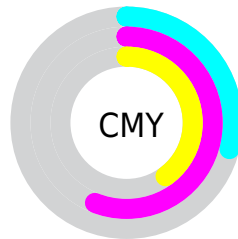
- Red (71%)
- Green (44%)
- Blue (60%)



- Red (71%)
- Yellow (44%)
- Blue (60%)



- Cyan (0%)
- Magenta (37%)
- Yellow (16%)
- Black (29%)




- Cyan (29%)
- Magenta (56%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7806, 0.3499, 0.2738 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 23.7806, 0.3499, 0.2738 by changing the saturation by 10% instead.


 23.7806, 0.3499,
0.2738


 23.7806, 0.3499,
0.2738

271.7094, 0.3299,
0.3032


 15.1709, 0.3554,
0.2658


 49.6719, 0.3422,
0.2849

 8.9395, 0.3629,
0.2552


 67.7224, 0.3395,
0.2890

 4.7017, 0.3734,
0.2403


 89.6886, 0.3372,
0.2923

 2.0733, 0.3895,
0.2182

 115.9549, 0.3353,
0.2952

 0.6496, 0.4192,
0.1774

146.9058, 0.3336,
0.2976

 0.0000, 0.6347,
0.0000

182.9255, 0.3322,

 0.0000, 0.0000,

0.2997

0.0000

224.3986, 0.3310,
0.3016

■ 23.7806, 0.3499,
0.2738

■ 23.7806, 0.3499,
0.2738

■ 19.9165, 0.3642,
0.2592

■ 28.4589, 0.3376,
0.2890

■ 16.8158, 0.3804,
0.2462

■ 33.9919, 0.3270,
0.3042

■ 14.4270, 0.3982,
0.2357


■ 40.4212, 0.3182,
0.3189

■ 12.6906, 0.4172,
0.2290


■ 47.7847, 0.3108,
0.3328


■ 11.5376, 0.4367,
0.2271

■ 56.1183, 0.3046,
0.3458

 10.8679, 0.4558,
0.2302

 65.4558, 0.2995,
0.3579

 10.7151, 0.4612,
0.2314

 75.8294, 0.2952,
0.3690

 85.9845, 0.2916,
0.3772

 86.3738, 0.2877,
0.3684

Harmonies

Analogous

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



23.7806, 0.2901, 0.2466



23.7806, 0.3499, 0.2738



23.7806, 0.4029, 0.3134

Triad

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



23.7806, 0.3499, 0.2738



23.7806, 0.3816, 0.4317



23.7806, 0.2087, 0.2818

Complementary

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



23.7806, 0.3499, 0.2738



38.0711, 0.2878, 0.3921

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.



23.7806, 0.2283, 0.3361



23.7806, 0.3499, 0.2738



23.7806, 0.3265, 0.4322

Square

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



23.7806, 0.3499, 0.2738



23.7806, 0.4202, 0.4019



23.7806, 0.2705, 0.3952



23.7806, 0.2134, 0.2478

Rectangle

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



23.7806, 0.3499, 0.2738



23.7806, 0.4243, 0.3434



23.7806, 0.2705, 0.3952



23.7806, 0.2125, 0.2981

Sweetspot

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



23.7817, 0.3499, 0.2738



68.4654, 0.3215, 0.3131



20.7646, 0.2738, 0.2264



14.4615, 0.3227, 0.3112



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.



23.7817, 0.3499, 0.2738



37.0398, 0.3620, 0.2612



22.8378, 0.3941, 0.3211



8.5854, 0.3199, 0.3158



7.4937, 0.4591, 0.2302



0.2471, 0.4110, 0.2038

Inverse Universe

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



23.7817, 0.3499, 0.2738



37.0398, 0.3620, 0.2612



39.2190, 0.2651, 0.3374



8.5854, 0.3199, 0.3158



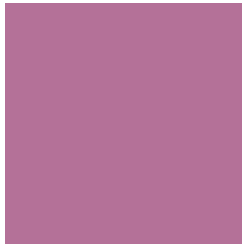
7.4937, 0.4591, 0.2302



0.2471, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 23.7806, 0.3499, 0.2738 looks on a white background.

Color Contrast Check

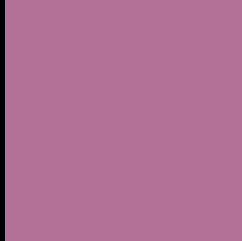
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7806, 0.3499, 0.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

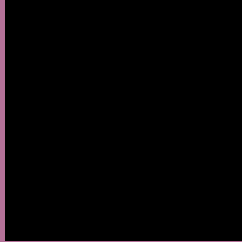
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7806, 0.3499, 0.2738

Background



This preview shows how black text looks on a background with the Yxy color 23.7806, 0.3499, 0.2738.



This preview shows how white text looks on a background with the Yxy color 23.7806, 0.3499, 0.2738.

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

23.7806, 0.3499, 0.2738

Protanopia

24.0037, 0.2754, 0.2762

Deuteranopia

24.0652, 0.3051, 0.2994



Tritanopia

23.8363, 0.3769, 0.3159

Trichromacy



Original Color

23.7806, 0.3499, 0.2738

Protanomaly

23.5708, 0.2995, 0.2751

Deuteranomaly

23.5859, 0.3205, 0.2882

Tritanomaly

23.7333, 0.3671, 0.2999

Monochromacy



Original Color

23.7806, 0.3499, 0.2738

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.1636, 0.3266, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7806, 0.3499, 0.2738 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(180, 113, 152)` looks like.

```
.text, #text, p{  
    color:rgb(180, 113, 152)  
}
```

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(180, 113, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 113, 152) }
```

Border

The CSS property to change the border of an element to Yxy 23.7806, 0.3499, 0.2738 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(180, 113, 152) }
```

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

```
.border{ border-color:rgb(180, 113, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 113, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 113, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 113, 152);  
box-shadow:4px 4px 4px 4px rgb(180, 113,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7806, 0.3499, 0.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 113, 152) }
```

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

```
.background{ background-color: rgb(180,  
113, 152) }
```

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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