

Converting Colors

$Y_{xy}(23.6694, 0.3210, 0.2348)$

Have a look what the booklet for
Yxy(23.6694, 0.3210, 0.2348)
contains.

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Color

Yxy(23.7632, 0.3207, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	B56CB2
RGB	181, 108, 178
RGB Percent	71%, 42%, 70%
CMY	0.2901, 0.5765, 0.3020
CMYK	0.00, 0.40, 0.02, 0.29
HSL	302°, 33%, 57%
HSV	302°, 40%, 71%
XYZ	32.4568, 23.7632, 44.9861
YIQ	137.8070, 21.0380, 37.2460

Conversions

Conversions Part 2

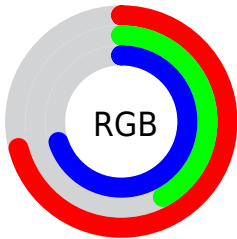
Format	Color
R _Y B	181, 108, 178
Decimal	11889842
CIE Lab	55.85, 39.78, -25.08
CIE LCh	56, 47.031, 327.772
Yxy	23.7632, 0.3207, 0.2348
Android (android.graphics.Color)	4290079922 (0xFFB56CB2)
YUV	137.8070, 19.8151, 37.8803
Hunter-Lab	48.7475, 33.5398, -20.5919

Details

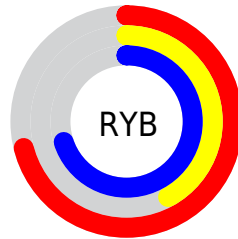
The Yxy color **23.7632, 0.3207, 0.2348** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.3933, 0.3049, 0.4457**, and the grayscale version is **25.2558, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6074, 0.3198, 0.2524**, and **8.9189, 0.3220, 0.2063** is the 20% darker color. If you saturate the color by 10%, you get **20.3042, 0.3228, 0.2138**, and if you desaturate by 10%, it is **28.0171, 0.3186, 0.2576**.

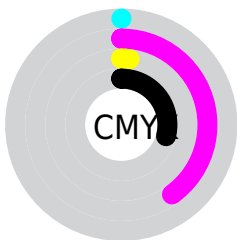
Distribution



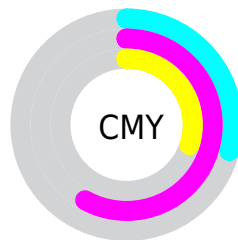
- Red (71%)
- Green (42%)
- Blue (70%)



- Red (71%)
- Yellow (42%)
- Blue (70%)



- Cyan (0%)
- Magenta (40%)
- Yellow (2%)
- Black (29%)




- Cyan (29%)
- Magenta (58%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7632, 0.3207, 0.2348 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 23.7632, 0.3207, 0.2348 by changing the saturation by 10% instead.


 23.7632, 0.3207,
0.2348


 23.7632, 0.3207,
0.2348


271.6211, 0.3178,
0.2831


 15.1581, 0.3210,
0.2225


 49.6435, 0.3200,
0.2526


 8.9304, 0.3210,
0.2066


 67.6874, 0.3196,
0.2592

 4.6958, 0.3205,
0.1854


 89.6464, 0.3192,
0.2648

 2.0699, 0.3184,
0.1561

 115.9049, 0.3189,
0.2695

 0.6476, 0.3131,
0.1109

146.8472, 0.3186,
0.2736

 0.0000, 0.2941,
0.0000

182.8577, 0.3183,

 0.0000, 0.0000,

0.2772

0.0000

224.3209, 0.3180,
0.2803

■ 23.7632, 0.3207,
0.2348

■ 23.7632, 0.3207,
0.2348

■ 20.3042, 0.3228,
0.2138

■ 28.0171, 0.3186,
0.2576

■ 17.5877, 0.3249,
0.1954

■ 33.1081, 0.3165,
0.2813

■ 15.5595, 0.3269,
0.1805


■ 39.0789, 0.3146,
0.3051

■ 14.1572, 0.3287,
0.1697

■ 45.9686, 0.3128,
0.3282


■ 13.3070, 0.3303,
0.1632

■ 53.8137, 0.3111,
0.3504

 12.8625, 0.3316,
0.1600

 62.6491, 0.3097,
0.3712

 72.5075, 0.3084,
0.3905

 83.4204, 0.3072,
0.4082

 84.8394, 0.3067,
0.4095

Harmonies

Analogous

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



23.7632, 0.2450, 0.2100



23.7632, 0.3207, 0.2348



23.7632, 0.4045, 0.2786

Triad

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



23.7632, 0.3207, 0.2348



23.7632, 0.4343, 0.4489



23.7632, 0.1818, 0.2949

Complementary

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



23.7632, 0.3207, 0.2348



37.3933, 0.3049, 0.4457

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.



23.7632, 0.2213, 0.3815



23.7632, 0.3207, 0.2348



23.7632, 0.3664, 0.4804

Square

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



23.7632, 0.3207, 0.2348



23.7632, 0.4725, 0.3935



23.7632, 0.2884, 0.4584



23.7632, 0.1736, 0.2354

Rectangle

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



23.7632, 0.3207, 0.2348



23.7632, 0.4485, 0.3147



23.7632, 0.2884, 0.4584



23.7632, 0.1914, 0.3218

Sweetspot

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



23.7643, 0.3207, 0.2348



67.8605, 0.3149, 0.3007



17.4038, 0.2414, 0.2081



14.3618, 0.3152, 0.2976



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.



23.7643, 0.3207, 0.2348



37.2195, 0.3225, 0.2168



22.5058, 0.3653, 0.2805



8.6405, 0.3144, 0.3075



8.8673, 0.3314, 0.1600



0.2809, 0.3283, 0.1582

Inverse Universe

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



23.7643, 0.3207, 0.2348



37.2195, 0.3225, 0.2168



38.3497, 0.2802, 0.3841



8.6405, 0.3144, 0.3075



8.8673, 0.3314, 0.1600



0.2809, 0.3283, 0.1582

Previews

White Background



This preview shows how the Yxy color 23.7632, 0.3207, 0.2348 looks on a white background.

Color Contrast Check

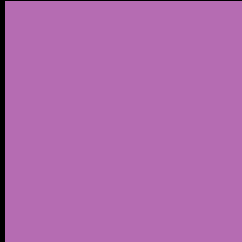
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7632, 0.3207, 0.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

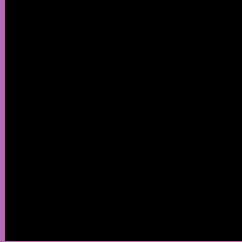
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7632, 0.3207, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 23.7632, 0.3207, 0.2348.



This preview shows how white text looks on a background with the Yxy color 23.7632, 0.3207, 0.2348.

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

23.7632, 0.3207, 0.2348

Protanopia

24.0445, 0.2387, 0.2283

Deuteranopia

23.9941, 0.2666, 0.2612



Tritanopia

23.8661, 0.3727, 0.3158

Trichromacy



Original Color

23.7632, 0.3207, 0.2348



Protanomaly

23.2869, 0.2635, 0.2284



Deuteranomaly

23.3721, 0.2847, 0.2494



Tritanomaly

23.6839, 0.3533, 0.2842

Monochromacy



Original Color

23.7632, 0.3207, 0.2348



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.3487, 0.3158, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7632, 0.3207, 0.2348 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(181, 108, 178)` looks like.

```
.text, #text, p{  
    color:rgb(181, 108, 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(181, 108, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 108, 178) }
```

Border

The CSS property to change the border of an element to Yxy 23.7632, 0.3207, 0.2348 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(181, 108, 178) }
```

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

```
.border{ border-color:rgb(181, 108, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 108, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 108, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 108, 178);  
box-shadow:4px 4px 4px 4px rgb(181, 108,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7632, 0.3207, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 108, 178) }
```

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

```
.background{ background-color: rgb(181,  
108, 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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