

Converting Colors

$Y_{xy}(23.3767, 0.3332, 0.2607)$

Have a look what the booklet for
Yxy(23.3767, 0.3332, 0.2607)
contains.

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Color

Yxy(23.4623, 0.3340, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	AF71A0
RGB	175, 113, 160
RGB Percent	69%, 44%, 63%
CMY	0.3139, 0.5568, 0.3726
CMYK	0.00, 0.35, 0.09, 0.31
HSL	315°, 28%, 56%
HSV	315°, 35%, 69%
XYZ	29.9214, 23.4623, 36.2013
YIQ	136.8960, 21.8650, 27.7610

Conversions

Conversions Part 2

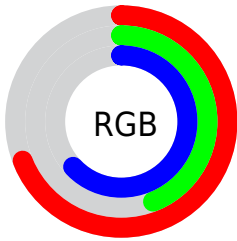
Format	Color
RYB	175, 113, 160
Decimal	11497888
CIELab	55.55, 31.75, -15.20
CIELCh	56, 35.200, 334.418
Yxy	23.4623, 0.3340, 0.2619
Android (android.graphics.Color)	4289687968 (0xFFAF71A0)
YUV	136.8960, 11.3903, 33.4172
Hunter-Lab	48.4379, 25.4979, -10.4053

Details

The Yxy color **23.4623, 0.3340, 0.2619** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.7154, 0.2969, 0.4073**, and the grayscale version is **24.9256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1677, 0.3294, 0.2751**, and **8.7027, 0.3409, 0.2398** is the 20% darker color. If you saturate the color by 10%, you get **19.7819, 0.3420, 0.2434**, and if you desaturate by 10%, it is **27.9025, 0.3269, 0.2811**.

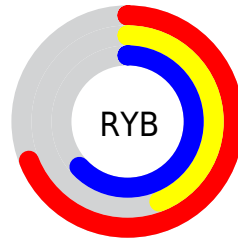
Distribution



Red (69%)

Green (44%)

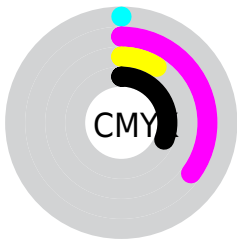
Blue (63%)



Red (69%)

Yellow (44%)

Blue (63%)

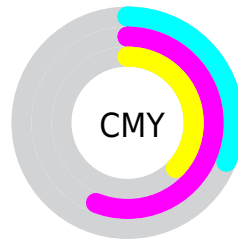


Cyan (0%)

Magenta (35%)

Yellow (9%)

Black (31%)



Cyan (31%)


Magenta (56%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4623, 0.3340, 0.2619 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 23.4623, 0.3340, 0.2619 by changing the saturation by 10% instead.


 23.4623, 0.3340,
0.2619


 23.4623, 0.3340,
0.2619


270.0907, 0.3230,
0.2973


 14.9352, 0.3368,
0.2525


 49.1513, 0.3299,
0.2752


 8.7739, 0.3405,
0.2400


 67.0821, 0.3284,
0.2801

 4.5940, 0.3454,
0.2227


 88.9161, 0.3272,
0.2841

 2.0111, 0.3522,
0.1975

 115.0380, 0.3261,
0.2876

 0.6139, 0.3644,
0.1520

145.8320, 0.3252,
0.2905

 0.0000, 0.3682,
0.0000

181.6825, 0.3244,

 0.0000, 0.0000,

0.2931

0.0000

222.9739, 0.3237,
0.2953

■ 23.4623, 0.3340,
0.2619

■ 23.4623, 0.3340,
0.2619

■ 19.7819, 0.3420,
0.2434

■ 27.9025, 0.3269,
0.2811

■ 16.8146, 0.3507,
0.2266

■ 33.1393, 0.3207,
0.3004

■ 14.5136, 0.3600,
0.2124


■ 39.2108, 0.3153,
0.3192

■ 12.8252, 0.3696,
0.2017


■ 46.1519, 0.3107,
0.3371


■ 11.6873, 0.3793,
0.1955


■ 53.9955, 0.3068,
0.3540


 11.0220, 0.3887,
0.1938

 62.7726, 0.3035,
0.3697

 10.7931, 0.3930,
0.1939

 72.5130, 0.3007,
0.3841

 83.2448, 0.2984,
0.3974

 84.7093, 0.2962,
0.3944

Harmonies

Analogous

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



23.4623, 0.2730, 0.2381



23.4623, 0.3340, 0.2619



23.4623, 0.3942, 0.3001

Triad

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



23.4623, 0.3340, 0.2619



23.4623, 0.3982, 0.4302



23.4623, 0.2071, 0.2931

Complementary

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



23.4623, 0.3340, 0.2619



35.7154, 0.2969, 0.4073

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.



23.4623, 0.2343, 0.3541



23.4623, 0.3340, 0.2619



23.4623, 0.3436, 0.4415

Square

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



23.4623, 0.3340, 0.2619



23.4623, 0.4316, 0.3931



23.4623, 0.2835, 0.4132



23.4623, 0.2051, 0.2512

Rectangle

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



23.4623, 0.3340, 0.2619



23.4623, 0.4226, 0.3305



23.4623, 0.2835, 0.4132



23.4623, 0.2134, 0.3120

Sweetspot

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



23.4634, 0.3340, 0.2619



63.7728, 0.3183, 0.3084



19.4591, 0.2642, 0.2288



13.8610, 0.3190, 0.3059



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



23.4634, 0.3340, 0.2619



37.0802, 0.3398, 0.2482



22.5254, 0.3729, 0.3046



8.1145, 0.3173, 0.3120



7.7433, 0.3920, 0.1933



0.2233, 0.3665, 0.1793

Inverse Universe

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



23.4634, 0.3340, 0.2619



37.0802, 0.3398, 0.2482



36.6407, 0.2749, 0.3553



8.1145, 0.3173, 0.3120



7.7433, 0.3920, 0.1933



0.2233, 0.3665, 0.1793

Previews

White Background



This preview shows how the Yxy color 23.4623, 0.3340, 0.2619 looks on a white background.

Color Contrast Check

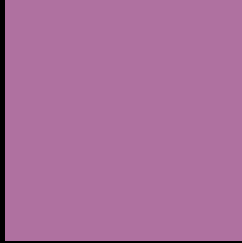
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4623, 0.3340, 0.2619 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 23.4623, 0.3340, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 23.4623, 0.3340, 0.2619.



This preview shows how white text looks on a background with the Yxy color 23.4623, 0.3340, 0.2619.

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

23.4623, 0.3340, 0.2619

Protanopia

23.7306, 0.2646, 0.2621

Deuteranopia

23.5505, 0.2906, 0.2845



Tritanopia

23.4101, 0.3678, 0.3155

Trichromacy



Original Color

23.4623, 0.3340, 0.2619

Protanomaly

23.2452, 0.2872, 0.2612

Deuteranomaly

23.3680, 0.3060, 0.2755

Tritanomaly

23.3867, 0.3543, 0.2948

Monochromacy



Original Color

23.4623, 0.3340, 0.2619

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.0620, 0.3210, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4623, 0.3340, 0.2619 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(175, 113, 160)` looks like.

```
.text, #text, p{  
    color:rgb(175, 113, 160)  
}
```

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(175, 113, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 113, 160) }
```

Border

The CSS property to change the border of an element to Yxy 23.4623, 0.3340, 0.2619 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(175, 113, 160) }
```

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

```
.border{ border-color:rgb(175, 113, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 113, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 113, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 113, 160); box-shadow:4px 4px 4px 4px rgb(175, 113, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4623, 0.3340, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 113, 160) }
```

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

```
.background{ background-color: rgb(175,  
113, 160) }
```

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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