

Converting Colors

$Y_{xy}(23.1073, 0.2994, 0.2367)$

Have a look what the booklet for
Yxy(23.1073, 0.2994, 0.2367)
contains.

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Color

Yxy(23.0355, 0.2999, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	A372B2
RGB	163, 114, 178
RGB Percent	64%, 45%, 70%
CMY	0.3607, 0.5530, 0.3019
CMYK	0.08, 0.36, 0.00, 0.30
HSL	286°, 29%, 57%
HSV	286°, 36%, 70%
XYZ	29.1614, 23.0355, 45.0403
YIQ	135.9470, 8.6600, 30.2920

Conversions

Conversions Part 2

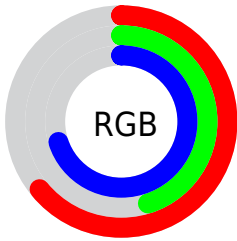
Format	Color
R _Y B	163, 114, 178
Decimal	10711730
CIE Lab	55.11, 30.73, -26.42
CIE LCh	55, 40.522, 319.312
Yxy	23.0355, 0.2999, 0.2369
Android (android.graphics.Color)	4288901810 (0xFFA372B2)
YUV	135.9470, 20.7321, 23.7255
Hunter-Lab	47.9953, 24.4629, -22.0429

Details

The Yxy color **23.0355, 0.2999, 0.2369** is a light color, and the websafe version is hex **996699**. A complement of this color would be **37.7315, 0.3203, 0.4314**, and the grayscale version is **24.5190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6380, 0.3035, 0.2550**, and **8.5763, 0.2931, 0.2091** is the 20% darker color. If you saturate the color by 10%, you get **18.9708, 0.2949, 0.2111**, and if you desaturate by 10%, it is **27.8983, 0.3043, 0.2633**.

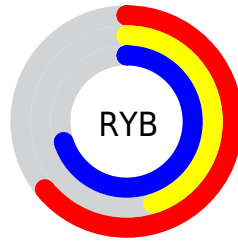
Distribution



Red (64%)

Green (45%)

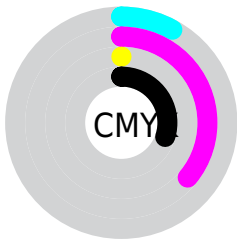
Blue (70%)



Red (64%)

Yellow (45%)

Blue (70%)

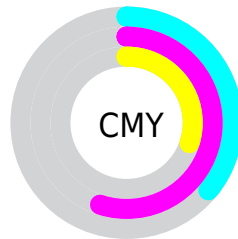


Cyan (8%)

Magenta (36%)

Yellow (0%)

Black (30%)



Cyan (36%)


Magenta (55%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0355, 0.2999, 0.2369 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 23.0355, 0.2999, 0.2369 by changing the saturation by 10% instead.


 23.0355, 0.2999,
0.2369

 23.0355, 0.2999,
0.2369


267.9073, 0.3081,
0.2847


 14.6197, 0.2971,
0.2245


 48.4516, 0.3034,
0.2546


 8.5529, 0.2931,
0.2085


 66.2207, 0.3045,
0.2612

 4.4507, 0.2869,
0.1868


 87.8764, 0.3055,
0.2667

 1.9288, 0.2764,
0.1566

 113.8031, 0.3062,
0.2714

 0.5656, 0.2582,
0.1065

144.3851, 0.3068,
0.2754

 0.0000, 0.1545,
0.0000

180.0069, 0.3073,

 0.0000, 0.0000,

0.2789

0.0000

221.0528, 0.3078,
0.2820

■ 23.0355, 0.2999,
0.2369

■ 23.0355, 0.2999,
0.2369

■ 18.9708, 0.2949,
0.2111

■ 27.8983, 0.3043,
0.2633

■ 15.6555, 0.2894,
0.1869

■ 33.5981, 0.3080,
0.2894

■ 13.0402, 0.2835,
0.1653

■ 40.1750, 0.3111,
0.3146

■ 11.0684, 0.2773,
0.1475

■ 47.6656, 0.3137,
0.3384

■ 9.6743, 0.2710,
0.1340

■ 56.1042, 0.3157,
0.3605

■ 8.7729, 0.2648,
0.1249

■ 65.5235, 0.3174,
0.3809

■ 8.4747, 0.2624,
0.1219

■ 75.9547, 0.3186,
0.3995

■ 86.5239, 0.3197,
0.4150

■ 87.0927, 0.3224,
0.4143

Harmonies

Analogous

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



23.0355, 0.2381, 0.2203



23.0355, 0.2999, 0.2369



23.0355, 0.3733, 0.2723

Triad

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



23.0355, 0.2999, 0.2369



23.0355, 0.4336, 0.4242



23.0355, 0.2040, 0.3201

Complementary

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



23.0355, 0.2999, 0.2369



37.7315, 0.3203, 0.4314

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.



23.0355, 0.2478, 0.3958



23.0355, 0.2999, 0.2369



23.0355, 0.3802, 0.4575

Square

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



23.0355, 0.2999, 0.2369



23.0355, 0.4551, 0.3737



23.0355, 0.3121, 0.4508



23.0355, 0.1881, 0.2594

Rectangle

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



23.0355, 0.2999, 0.2369



23.0355, 0.4165, 0.3034



23.0355, 0.3121, 0.4508



23.0355, 0.2156, 0.3451

Sweetspot

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



23.0365, 0.2999, 0.2369



66.4043, 0.3096, 0.3016



22.7575, 0.2522, 0.2500



14.3633, 0.3091, 0.2982



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.



23.0365, 0.2999, 0.2369



35.9110, 0.2961, 0.2167



24.1098, 0.3351, 0.2614



8.5444, 0.3101, 0.3063



6.0917, 0.2631, 0.1223



0.2161, 0.2801, 0.1317

Inverse Universe

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



23.0856, 0.3771, 0.3072



36.1282, 0.3981, 0.3025



37.0384, 0.2962, 0.4080



8.5368, 0.3251, 0.3237



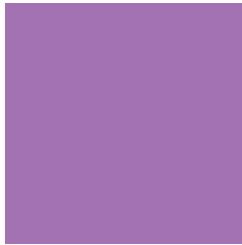
6.8988, 0.5944, 0.3048



0.2262, 0.5163, 0.2618

Previews

White Background



This preview shows how the Yxy color 23.0355, 0.2999, 0.2369 looks on a white background.

Color Contrast Check

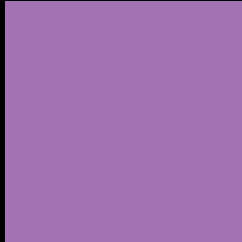
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0355, 0.2999, 0.2369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

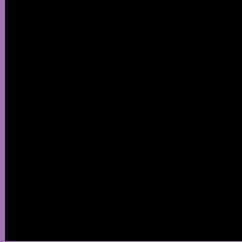
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0355, 0.2999, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 23.0355, 0.2999, 0.2369.



This preview shows how white text looks on a background with the Yxy color 23.0355, 0.2999, 0.2369.

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

23.0355, 0.2999, 0.2369

Protanopia

23.2376, 0.2421, 0.2325

Deuteranopia

23.1980, 0.2617, 0.2557



Tritanopia

22.9273, 0.3417, 0.3130

Trichromacy



Original Color

23.0355, 0.2999, 0.2369

Protanomaly

22.7858, 0.2602, 0.2332

Deuteranomaly

22.8683, 0.2745, 0.2475

Tritanomaly

22.9738, 0.3269, 0.2840

Monochromacy



Original Color

23.0355, 0.2999, 0.2369

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.7837, 0.3088, 0.2919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0355, 0.2999, 0.2369 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(163, 114, 178)` looks like.

```
.text, #text, p{  
    color:rgb(163, 114, 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(163, 114, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 114, 178) }
```

Border

The CSS property to change the border of an element to Yxy 23.0355, 0.2999, 0.2369 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(163, 114, 178) }
```

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

```
.border{ border-color:rgb(163, 114, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 114, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 114, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 114, 178);  
box-shadow:4px 4px 4px 4px rgb(163, 114,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0355, 0.2999, 0.2369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 114, 178) }
```

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

```
.background{ background-color: rgb(163,  
114, 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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