

Converting Colors

$Y_{xy}(23.1374, 0.2873, 0.2433)$

Have a look what the booklet for
Yxy(23.1374, 0.2873, 0.2433)
contains.

Yxy(23.0913, 0.2868, 0.2432)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.0913, 0.2868, 0.2432)

Conversions

Conversions Part 1

Format	Color
Hex	9678B1
RGB	150, 120, 177
RGB Percent	59%, 47%, 69%
CMY	0.4118, 0.5294, 0.3058
CMYK	0.15, 0.32, 0.00, 0.31
HSL	272°, 27%, 58%
HSV	272°, 32%, 69%
XYZ	27.2310, 23.0913, 44.6255
YIQ	135.4680, -0.4170, 24.0870

Conversions

Conversions Part 2

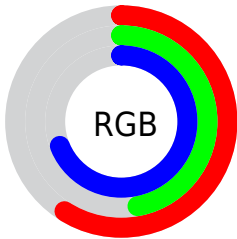
Format	Color
RYB	150, 120, 177
Decimal	9861297
CIELab	55.17, 22.87, -25.86
CIELCh	55, 34.521, 311.485
Yxy	23.0913, 0.2868, 0.2432
Android (android.graphics.Color)	4288051377 (0xFF9678B1)
YUV	135.4680, 20.4753, 12.7446
Hunter-Lab	48.0534, 17.0594, -21.4231

Details

The Yxy color **23.0913, 0.2868, 0.2432** is a light color, and the websafe version is hex **996699**. A complement of this color would be **39.0120, 0.3320, 0.4158**, and the grayscale version is **24.3346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7495, 0.2929, 0.2604**, and **8.5584, 0.2757, 0.2159** is the 20% darker color. If you saturate the color by 10%, you get **18.4532, 0.2763, 0.2141**, and if you desaturate by 10%, it is **28.5753, 0.2962, 0.2716**.

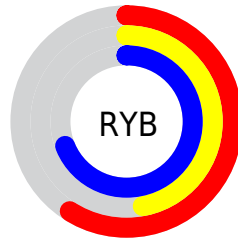
Distribution



Red (59%)

Green (47%)

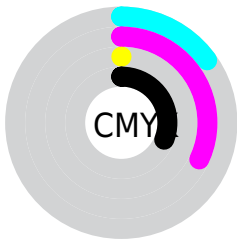
Blue (69%)



Red (59%)

Yellow (47%)

Blue (69%)

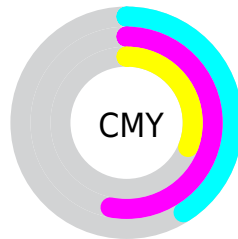


Cyan (15%)

Magenta (32%)

Yellow (0%)

Black (31%)



Cyan (41%)


Magenta (53%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0913, 0.2868, 0.2432 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 23.0913, 0.2868, 0.2432 by changing the saturation by 10% instead.


 23.0913, 0.2868,
0.2432


 23.0913, 0.2868,
0.2432


268.1936, 0.3019,
0.2882


 14.6609, 0.2822,
0.2314


 48.5432, 0.2929,
0.2600

 8.5818, 0.2759,
0.2159


 66.3335, 0.2950,
0.2662

 4.4694, 0.2664,
0.1948


 88.0126, 0.2967,
0.2714

 1.9395, 0.2513,
0.1650

113.9649, 0.2981,
0.2758

 0.5719, 0.2259,
0.1144

144.5747, 0.2993,
0.2795

 0.0000, 0.0382,
0.0000

180.2265, 0.3003,

 0.0000, 0.0000,

0.2828

0.0000

221.3047, 0.3011,
0.2857

■ 23.0913, 0.2868,
0.2432

■ 23.0913, 0.2868,
0.2432

■ 18.4532, 0.2763,
0.2141

■ 28.5753, 0.2962,
0.2716

■ 14.6136, 0.2647,
0.1854

■ 34.9437, 0.3043,
0.2986

■ 11.5246, 0.2525,
0.1584


■ 42.2359, 0.3113,
0.3237

■ 9.1317, 0.2400,
0.1344


■ 50.4881, 0.3172,
0.3468

■ 7.3728, 0.2277,
0.1147


■ 59.7344, 0.3222,
0.3677


 6.1741, 0.2162,
0.1003

 70.0075, 0.3263,
0.3866

 5.5093, 0.2078,
0.0918

 81.3382, 0.3297,
0.4034

 89.4627, 0.3336,
0.4125

 90.7818, 0.3391,
0.4110

Harmonies

Analogous

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



23.0913, 0.2375, 0.2338



23.0913, 0.2868, 0.2432



23.0913, 0.3486, 0.2706

Triad

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



23.0913, 0.2868, 0.2432



23.0913, 0.4249, 0.4024



23.0913, 0.2268, 0.3388

Complementary

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



23.0913, 0.2868, 0.2432



39.0120, 0.3320, 0.4158

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.



23.0913, 0.2710, 0.4000



23.0913, 0.2868, 0.2432



23.0913, 0.3858, 0.4345

Square

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



23.0913, 0.2868, 0.2432



23.0913, 0.4330, 0.3574



23.0913, 0.3292, 0.4369



23.0913, 0.2057, 0.2819

Rectangle

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



23.0913, 0.2868, 0.2432



23.0913, 0.3879, 0.2964



23.0913, 0.3292, 0.4369



23.0913, 0.2392, 0.3601

Sweetspot

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



23.0923, 0.2868, 0.2432



65.0950, 0.3058, 0.3039



28.2099, 0.2618, 0.2819



13.7378, 0.3048, 0.3003



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.



23.0923, 0.2868, 0.2432



35.0157, 0.2791, 0.2215



25.9196, 0.3174, 0.2516



8.4428, 0.3065, 0.3060



4.0272, 0.2089, 0.0924



0.1611, 0.2394, 0.1092

Inverse Universe

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



24.8895, 0.3509, 0.2900



38.8894, 0.3633, 0.2807



36.8235, 0.3076, 0.4208



8.5701, 0.3215, 0.3183



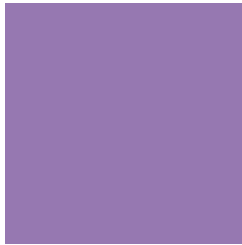
7.2467, 0.5038, 0.2549



0.2398, 0.4399, 0.2197

Previews

White Background



This preview shows how the Yxy color 23.0913, 0.2868, 0.2432 looks on a white background.

Color Contrast Check

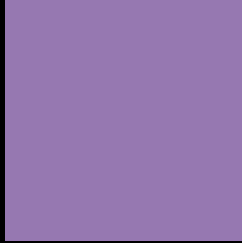
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0913, 0.2868, 0.2432 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 23.0913, 0.2868, 0.2432

Background



This preview shows how black text looks on a background with the Yxy color 23.0913, 0.2868, 0.2432.



This preview shows how white text looks on a background with the Yxy color 23.0913, 0.2868, 0.2432.

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

23.0913, 0.2868, 0.2432

Protanopia

23.1810, 0.2488, 0.2409

Deuteranopia

23.1980, 0.2617, 0.2557



Tritanopia

23.2026, 0.3205, 0.3124

Trichromacy



Original Color

23.0913, 0.2868, 0.2432

Protanomaly

22.8883, 0.2610, 0.2408

Deuteranomaly

22.9618, 0.2698, 0.2497

Tritanomaly

23.0452, 0.3078, 0.2854

Monochromacy



Original Color

23.0913, 0.2868, 0.2432

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7427, 0.3030, 0.2960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0913, 0.2868, 0.2432 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(150, 120, 177)` looks like.

```
.text, #text, p{  
    color:rgb(150, 120, 177)  
}
```

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(150, 120, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 120, 177) }
```

Border

The CSS property to change the border of an element to Yxy 23.0913, 0.2868, 0.2432 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(150, 120, 177) }
```

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

```
.border{ border-color:rgb(150, 120, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 120, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 120, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 120, 177);  
box-shadow:4px 4px 4px 4px rgb(150, 120,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0913, 0.2868, 0.2432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 120, 177) }
```

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

```
.background{ background-color: rgb(150,  
120, 177) }
```

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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