

Converting Colors

$Y_{xy}(23.1188, 0.3292, 0.2685)$

Have a look what the booklet for
Yxy(23.1188, 0.3292, 0.2685)
contains.

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Color

Yxy(23.2159, 0.3300, 0.2698)

Conversions

Conversions Part 1

Format	Color
Hex	A8749C
RGB	168, 116, 156
RGB Percent	66%, 45%, 61%
CMY	0.3411, 0.5451, 0.3882
CMYK	0.00, 0.31, 0.07, 0.34
HSL	314°, 23%, 56%
HSV	314°, 31%, 66%
XYZ	28.3960, 23.2159, 34.4366
YIQ	136.1080, 18.1520, 23.4640

Conversions

Conversions Part 2

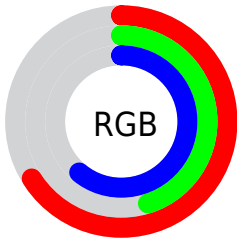
Format	Color
R _{YB}	168, 116, 156
Decimal	11039900
CIE _{Lab}	55.29, 26.95, -13.34
CIE _{LCh}	55, 30.074, 333.660
Y _{xy}	23.2159, 0.3300, 0.2698
Android (android.graphics.Color)	4289229980 (0xFFA8749C)
Y _{UV}	136.1080, 9.8068, 27.9693
Hunter-Lab	48.1829, 20.8769, -8.6469

Details

The Yxy color $23.2159, 0.3300, 0.2698$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $33.2808, 0.2992, 0.3966$, and the grayscale version is $24.6212, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.9264, 0.3264, 0.2817$, and $8.6791, 0.3348, 0.2499$ is the 20% darker color. If you saturate the color by 10%, you get $19.5582, 0.3372, 0.2507$, and if you desaturate by 10%, it is $27.5803, 0.3236, 0.2893$.

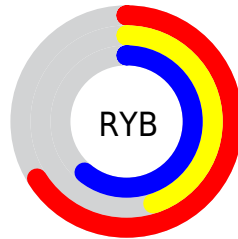
Distribution



Red (66%)

Green (45%)

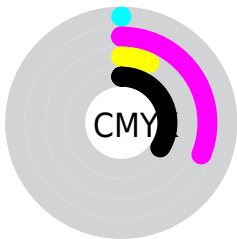
Blue (61%)



Red (66%)

Yellow (45%)

Blue (61%)

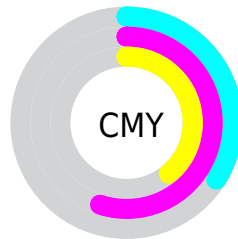


Cyan (0%)

Magenta (31%)

Yellow (7%)

Black (34%)



Cyan (34%)


Magenta (55%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2159, 0.3300, 0.2698 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 23.2159, 0.3300, 0.2698 by changing the saturation by 10% instead.


 23.2159, 0.3300,
0.2698


 23.2159, 0.3300,
0.2698


268.8320, 0.3210,
0.3013


 14.7530, 0.3323,
0.2613


 48.7476, 0.3267,
0.2817

 8.6462, 0.3354,
0.2499


 66.5852, 0.3254,
0.2861

 4.5112, 0.3395,
0.2340


 88.3165, 0.3244,
0.2897

 1.9634, 0.3453,
0.2103

114.3258, 0.3235,
0.2927

 0.5861, 0.3569,
0.1643

144.9977, 0.3228,
0.2954

 0.0000, 0.3080,
0.0000

180.7164, 0.3221,

 0.0000, 0.0000,

0.2976

0.0000

221.8663, 0.3215,
0.2996

■ 23.2159, 0.3300,
0.2698

■ 23.2159, 0.3300,
0.2698

■ 19.5582, 0.3372,
0.2507

■ 27.5803, 0.3236,
0.2893

■ 16.5664, 0.3452,
0.2328

■ 32.6834, 0.3180,
0.3086

■ 14.2001, 0.3538,
0.2172


■ 38.5587, 0.3131,
0.3273


■ 12.4132, 0.3629,
0.2046


■ 45.2371, 0.3090,
0.3449

■ 11.1534, 0.3720,
0.1961

■ 52.7475, 0.3055,
0.3615

 10.3589, 0.3810,
0.1922

 61.1175, 0.3026,
0.3768

 9.9166, 0.3890,
0.1917

 70.3734, 0.3001,
0.3909

 80.5404, 0.2980,
0.4039

 83.6039, 0.2961,
0.4038

Harmonies

Analogous

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



23.2159, 0.2776, 0.2492



23.2159, 0.3300, 0.2698



23.2159, 0.3814, 0.3034

Triad

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



23.2159, 0.3300, 0.2698



23.2159, 0.3882, 0.4162



23.2159, 0.2211, 0.3002

Complementary

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



23.2159, 0.3300, 0.2698



33.2808, 0.2992, 0.3966

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.



23.2159, 0.2460, 0.3522



23.2159, 0.3300, 0.2698



23.2159, 0.3416, 0.4248

Square

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



23.2159, 0.3300, 0.2698



23.2159, 0.4156, 0.3849



23.2159, 0.2895, 0.4011



23.2159, 0.2186, 0.2628

Rectangle

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



23.2159, 0.3300, 0.2698



23.2159, 0.4061, 0.3302



23.2159, 0.2895, 0.4011



23.2159, 0.2270, 0.3165

Sweetspot

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



23.2169, 0.3300, 0.2698



61.1061, 0.3171, 0.3120



19.8509, 0.2707, 0.2430



13.0098, 0.3178, 0.3094



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.2169, 0.3300, 0.2698



37.5258, 0.3348, 0.2569



22.4482, 0.3615, 0.3065



7.6365, 0.3171, 0.3118



7.4957, 0.3882, 0.1912



0.1894, 0.3620, 0.1768

Inverse Universe

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



23.2169, 0.3300, 0.2698



37.5258, 0.3348, 0.2569



34.0310, 0.2798, 0.3530



7.6365, 0.3171, 0.3118



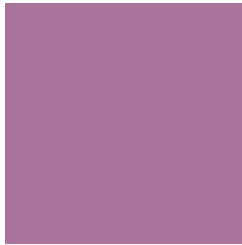
7.4957, 0.3882, 0.1912



0.1894, 0.3620, 0.1768

Previews

White Background



This preview shows how the Yxy color 23.2159, 0.3300, 0.2698 looks on a white background.

Color Contrast Check

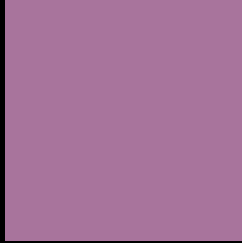
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2159, 0.3300, 0.2698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

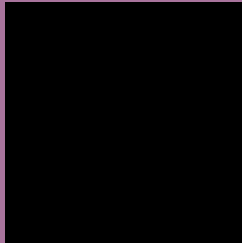
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2159, 0.3300, 0.2698

Background



This preview shows how black text looks on a background with the Yxy color 23.2159, 0.3300, 0.2698.



This preview shows how white text looks on a background with the Yxy color 23.2159, 0.3300, 0.2698.

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

23.2159, 0.3300, 0.2698

Protanopia

23.3077, 0.2704, 0.2693

Deuteranopia

23.2678, 0.2946, 0.2876



Tritanopia

23.2858, 0.3571, 0.3151

Trichromacy



Original Color

23.2159, 0.3300, 0.2698

Protanomaly

23.1415, 0.2899, 0.2696

Deuteranomaly

23.0778, 0.3069, 0.2796

Tritanomaly

23.1647, 0.3476, 0.2984

Monochromacy



Original Color

23.2159, 0.3300, 0.2698

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.9796, 0.3196, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2159, 0.3300, 0.2698 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(168, 116, 156)` looks like.

```
.text, #text, p{  
    color:rgb(168, 116, 156)  
}
```

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(168, 116, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 116, 156) }
```

Border

The CSS property to change the border of an element to Yxy 23.2159, 0.3300, 0.2698 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(168, 116, 156) }
```

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

```
.border{ border-color:rgb(168, 116, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 116, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 116, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 116, 156);  
box-shadow:4px 4px 4px 4px rgb(168, 116,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2159, 0.3300, 0.2698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 116, 156) }
```

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

```
.background{ background-color: rgb(168,  
116, 156) }
```

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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