

Converting Colors

$Y_{xy}(23.8768, 0.3170, 0.2834)$

Have a look what the booklet for
Yxy(23.8768, 0.3170, 0.2834)
contains.

Yxy(23.8163, 0.3172, 0.2824)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8163, 0.3172, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	9C7C9A
RGB	156, 124, 154
RGB Percent	61%, 49%, 60%
CMY	0.3883, 0.5137, 0.3960
CMYK	0.00, 0.21, 0.01, 0.39
HSL	304°, 14%, 55%
HSV	304°, 21%, 61%
XYZ	26.7512, 23.8163, 33.7679
YIQ	136.9880, 9.4420, 16.1140

Conversions

Conversions Part 2

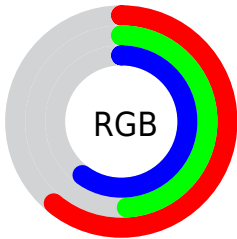
Format	Color
R _Y B	156, 124, 154
Decimal	10255514
CIE Lab	55.90, 17.74, -11.41
CIE LCh	56, 21.092, 327.266
Yxy	23.8163, 0.3172, 0.2824
Android (android.graphics.Color)	4288445594 (0xFF9C7C9A)
YUV	136.9880, 8.3869, 16.6735
Hunter-Lab	48.8019, 12.4428, -6.8636

Details

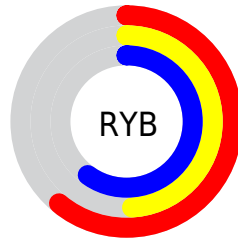
The Yxy color $23.8163, 0.3172, 0.2824$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $29.5663, 0.3084, 0.3805$, and the grayscale version is $24.9772, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.8472, 0.3170, 0.2928$, and $8.9545, 0.3174, 0.2663$ is the 20% darker color. If you saturate the color by 10%, you get $20.1798, 0.3197, 0.2594$, and if you desaturate by 10%, it is $28.0737, 0.3149, 0.3054$.

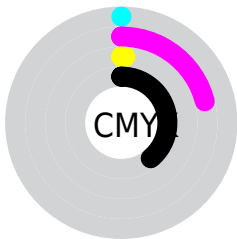
Distribution



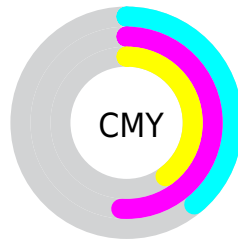
- Red (61%)
- Green (49%)
- Blue (60%)



- Red (61%)
- Yellow (49%)
- Blue (60%)



- Cyan (0%)
- Magenta (21%)
- Yellow (1%)
- Black (39%)





- Cyan (39%)
- Magenta (51%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8163, 0.3172, 0.2824 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 23.8163, 0.3172, 0.2824 by changing the saturation by 10% instead.


 23.8163, 0.3172,
0.2824


 23.8163, 0.3172,
0.2824


271.8904, 0.3151,
0.3074


 15.1974, 0.3177,
0.2755


 49.7303, 0.3165,
0.2919

 8.9580, 0.3182,
0.2663


 67.7941, 0.3162,
0.2954

 4.7138, 0.3188,
0.2532


 89.7751, 0.3159,
0.2983

 2.0804, 0.3193,
0.2334

116.0576, 0.3157,
0.3007

 0.6535, 0.3208,
0.1954

147.0259, 0.3155,
0.3027

 0.0000, 0.0068,
0.0000

183.0646, 0.3154,

 0.0000, 0.0000,

0.3045

0.0000

224.5580, 0.3152,
0.3061

■ 23.8163, 0.3172,
0.2824

■ 23.8163, 0.3172,
0.2824

■ 20.1798, 0.3197,
0.2594

■ 28.0737, 0.3149,
0.3054

■ 17.1320, 0.3223,
0.2372

■ 32.9760, 0.3128,
0.3279

■ 14.6426, 0.3250,
0.2165


■ 38.5496, 0.3109,
0.3493

■ 12.6774, 0.3276,
0.1985


■ 44.8187, 0.3093,
0.3695


■ 11.1985, 0.3302,
0.1837


■ 51.8062, 0.3078,
0.3882

 10.1626, 0.3327,
0.1729

 59.5340, 0.3065,
0.4055

 9.5192, 0.3349,
0.1663

 68.0231, 0.3054,
0.4213

 9.1543, 0.3368,
0.1629

 77.2934, 0.3044,
0.4356

 81.2204, 0.3038,
0.4402

Harmonies

Analogous

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



23.8163, 0.2814, 0.2700



23.8163, 0.3172, 0.2824



23.8163, 0.3537, 0.3055

Triad

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



23.8163, 0.3172, 0.2824



23.8163, 0.3716, 0.3872



23.8163, 0.2501, 0.3173

Complementary

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



23.8163, 0.3172, 0.2824



29.5663, 0.3084, 0.3805

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.



23.8163, 0.2717, 0.3531



23.8163, 0.3172, 0.2824



23.8163, 0.3416, 0.3952

Square

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



23.8163, 0.3172, 0.2824



23.8163, 0.3860, 0.3644



23.8163, 0.3050, 0.3829



23.8163, 0.2444, 0.2877

Rectangle

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



23.8163, 0.3172, 0.2824



23.8163, 0.3727, 0.3247



23.8163, 0.3050, 0.3829



23.8163, 0.2556, 0.3290

Sweetspot

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



23.8173, 0.3172, 0.2824



54.7548, 0.3140, 0.3154



21.2217, 0.2811, 0.2743



11.9346, 0.3141, 0.3141



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



23.8173, 0.3172, 0.2824



39.8300, 0.3184, 0.2709



23.3301, 0.3350, 0.3061



6.7475, 0.3146, 0.3083



7.5428, 0.3367, 0.1628



0.1368, 0.3298, 0.1590

Inverse Universe

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



23.8173, 0.3172, 0.2824



39.8300, 0.3184, 0.2709



30.0015, 0.2949, 0.3531



6.7475, 0.3146, 0.3083



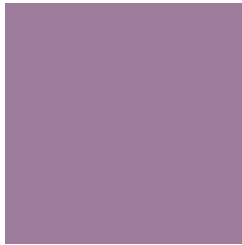
7.5428, 0.3367, 0.1628



0.1368, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 23.8163, 0.3172, 0.2824 looks on a white background.

Color Contrast Check

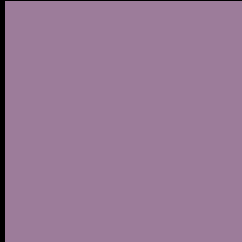
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8163, 0.3172, 0.2824 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 23.8163, 0.3172, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 23.8163, 0.3172, 0.2824.



This preview shows how white text looks on a background with the Yxy color 23.8163, 0.3172, 0.2824.

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

23.8163, 0.3172, 0.2824

Protanopia

23.9803, 0.2818, 0.2841

Deuteranopia

23.9358, 0.2978, 0.2928



Tritanopia

23.8549, 0.3337, 0.3130

Trichromacy



Original Color

23.8163, 0.3172, 0.2824

Protanomaly

23.9229, 0.2939, 0.2835

Deuteranomaly

23.7580, 0.3055, 0.2887

Tritanomaly

23.8734, 0.3282, 0.3021

Monochromacy



Original Color

23.8163, 0.3172, 0.2824

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.4150, 0.3147, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8163, 0.3172, 0.2824 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(156, 124, 154)` looks like.

```
.text, #text, p{  
    color:rgb(156, 124, 154)  
}
```

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(156, 124, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 124, 154) }
```

Border

The CSS property to change the border of an element to Yxy 23.8163, 0.3172, 0.2824 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(156, 124, 154) }
```

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

```
.border{ border-color:rgb(156, 124, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 124, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 124, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 124, 154);  
box-shadow:4px 4px 4px 4px rgb(156, 124,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8163, 0.3172, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 124, 154) }
```

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

```
.background{ background-color: rgb(156,  
124, 154) }
```

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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