

Converting Colors

$Y_{xy}(23.9423, 0.3169, 0.2781)$

Have a look what the booklet for
Yxy(23.9423, 0.3169, 0.2781)
contains.

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Color

Yxy(23.8693, 0.3163, 0.2769)

Conversions

Conversions Part 1

Format	Color
Hex	9E7B9D
RGB	158, 123, 157
RGB Percent	62%, 48%, 62%
CMY	0.3805, 0.5176, 0.3843
CMYK	0.00, 0.22, 0.01, 0.38
HSL	302°, 15%, 55%
HSV	302°, 22%, 62%
XYZ	27.2657, 23.8693, 35.0669
YIQ	137.3410, 9.9460, 17.9940

Conversions

Conversions Part 2

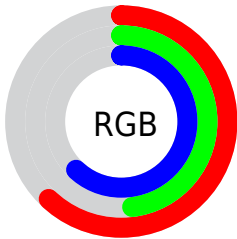
Format	Color
R_{YB}	158, 123, 157
Decimal	10386333
CIE _{Lab}	55.96, 19.60, -13.03
CIE _{LCh}	56, 23.535, 326.389
Yxy	23.8693, 0.3163, 0.2769
Android (android.graphics.Color)	4288576413 (0xFF9E7B9D)
YUV	137.3410, 9.6919, 18.1179
Hunter-Lab	48.8562, 14.1188, -8.3565

Details

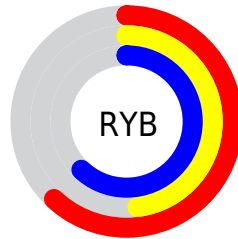
The Yxy color $23.8693, 0.3163, 0.2769$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $30.1132, 0.3091, 0.3873$, and the grayscale version is $25.1117, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.9503, 0.3155, 0.2873$, and $9.0023, 0.3160, 0.2588$ is the 20% darker color. If you saturate the color by 10%, you get $20.2464, 0.3181, 0.2533$, and if you desaturate by 10%, it is $28.1269, 0.3146, 0.3007$.

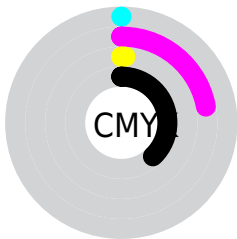
Distribution



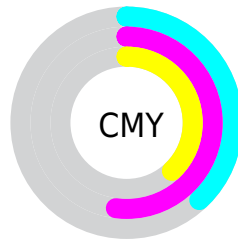
- Red (62%)
- Green (48%)
- Blue (62%)



- Red (62%)
- Yellow (48%)
- Blue (62%)



- Cyan (0%)
- Magenta (22%)
- Yellow (1%)
- Black (38%)




- Cyan (38%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8693, 0.3163, 0.2769 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 23.8693, 0.3163, 0.2769 by changing the saturation by 10% instead.


 23.8693, 0.3163,
0.2769


 23.8693, 0.3163,
0.2769


272.1590, 0.3148,
0.3048

 15.2367, 0.3166,
0.2693


 49.8168, 0.3158,
0.2875

 8.9857, 0.3168,
0.2591


 67.9006, 0.3156,
0.2913

 4.7318, 0.3169,
0.2449


 89.9034, 0.3154,
0.2945

 2.0908, 0.3166,
0.2235

116.2099, 0.3153,
0.2972

 0.6594, 0.3161,
0.1839

147.2042, 0.3151,
0.2995

 0.0000, 0.1113,
0.0000

183.2710, 0.3150,

 0.0000, 0.0000,

0.3015

0.0000

224.7944, 0.3149,
0.3032

■ 23.8693, 0.3163,
0.2769

■ 23.8693, 0.3163,
0.2769

■ 20.2464, 0.3181,
0.2533

■ 28.1269, 0.3146,
0.3007

■ 17.2248, 0.3198,
0.2307

■ 33.0442, 0.3130,
0.3241

■ 14.7726, 0.3216,
0.2099


■ 38.6489, 0.3116,
0.3466

■ 12.8541, 0.3232,
0.1920


■ 44.9661, 0.3102,
0.3677

■ 11.4293, 0.3248,
0.1776


■ 52.0196, 0.3090,
0.3874


 10.4526, 0.3261,
0.1673


 59.8321, 0.3080,
0.4056

 9.8700, 0.3272,
0.1610

 68.4253, 0.3070,
0.4222

 9.5849, 0.3280,
0.1580

 77.8201, 0.3062,
0.4373

 81.3595, 0.3058,
0.4419

Harmonies

Analogous

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



23.8693, 0.2768, 0.2636



23.8693, 0.3163, 0.2769



23.8693, 0.3573, 0.3020

Triad

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



23.8693, 0.3163, 0.2769



23.8693, 0.3790, 0.3930



23.8693, 0.2437, 0.3167

Complementary

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



23.8693, 0.3163, 0.2769



30.1132, 0.3091, 0.3873

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.



23.8693, 0.2680, 0.3570



23.8693, 0.3163, 0.2769



23.8693, 0.3457, 0.4032

Square

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



23.8693, 0.3163, 0.2769



23.8693, 0.3946, 0.3669



23.8693, 0.3050, 0.3903



23.8693, 0.2370, 0.2836

Rectangle

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



23.8693, 0.3163, 0.2769



23.8693, 0.3790, 0.3229



23.8693, 0.3050, 0.3903



23.8693, 0.2500, 0.3299

Sweetspot

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



23.8703, 0.3163, 0.2769



55.4034, 0.3138, 0.3125



20.8922, 0.2770, 0.2691



12.3817, 0.3139, 0.3112



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



23.8703, 0.3163, 0.2769



39.6707, 0.3172, 0.2641



23.3270, 0.3358, 0.3024



6.7514, 0.3142, 0.3076



7.6799, 0.3279, 0.1580



0.1382, 0.3249, 0.1563

Inverse Universe

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



23.8703, 0.3163, 0.2769



39.6707, 0.3172, 0.2641



30.5835, 0.2945, 0.3573



6.7514, 0.3142, 0.3076



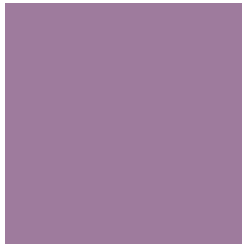
7.6799, 0.3279, 0.1580



0.1382, 0.3249, 0.1563

Previews

White Background



This preview shows how the Yxy color 23.8693, 0.3163, 0.2769 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 23.8693, 0.3163, 0.2769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

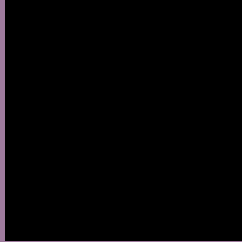
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8693, 0.3163, 0.2769

Background



This preview shows how black text looks on a background with the Yxy color 23.8693, 0.3163, 0.2769.



This preview shows how white text looks on a background with the Yxy color 23.8693, 0.3163, 0.2769.

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

23.8693, 0.3163, 0.2769

Protanopia

23.9674, 0.2763, 0.2777

Deuteranopia

23.9175, 0.2947, 0.2895



Tritanopia

23.9534, 0.3349, 0.3131

Trichromacy



Original Color

23.8693, 0.3163, 0.2769

Protanomaly

23.6770, 0.2899, 0.2772

Deuteranomaly

23.8584, 0.3024, 0.2841

Tritanomaly

24.0032, 0.3282, 0.3006

Monochromacy



Original Color

23.8693, 0.3163, 0.2769

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.5359, 0.3148, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8693, 0.3163, 0.2769 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(158, 123, 157)` looks like.

```
.text, #text, p{  
    color:rgb(158, 123, 157)  
}
```

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(158, 123, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 123, 157) }
```

Border

The CSS property to change the border of an element to Yxy 23.8693, 0.3163, 0.2769 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(158, 123, 157) }
```

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

```
.border{ border-color:rgb(158, 123, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 123, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 123, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 123, 157);  
box-shadow:4px 4px 4px 4px rgb(158, 123,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8693, 0.3163, 0.2769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 123, 157) }
```

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

```
.background{ background-color: rgb(158,  
123, 157) }
```

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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