

Converting Colors

$Y_{xy}(23.8312, 0.3150, 0.2800)$

Have a look what the booklet for
Yxy(23.8312, 0.3150, 0.2800)
contains.

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Color

Yxy(23.8835, 0.3150, 0.2795)

Conversions

Conversions Part 1

Format	Color
Hex	9C7C9C
RGB	156, 124, 156
RGB Percent	61%, 49%, 61%
CMY	0.3883, 0.5137, 0.3882
CMYK	0.00, 0.21, 0.00, 0.39
HSL	300°, 14%, 55%
HSV	300°, 21%, 61%
XYZ	26.9170, 23.8835, 34.6503
YIQ	137.2160, 8.8000, 16.7360

Conversions

Conversions Part 2

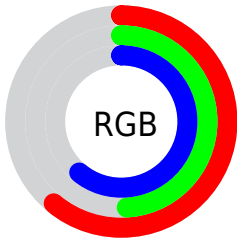
Format	Color
R_{YB}	156, 124, 156
Decimal	10255516
CIE _{Lab}	55.97, 18.13, -12.46
CIE _{LCh}	56, 21.995, 325.501
Yxy	23.8835, 0.3150, 0.2795
Android (android.graphics.Color)	4288445596 (0xFF9C7C9C)
YUV	137.2160, 9.2605, 16.4736
Hunter-Lab	48.8707, 12.7903, -7.8282

Details

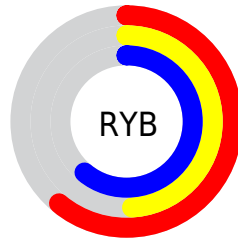
The Yxy color $23.8835, 0.3150, 0.2795$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $29.5258, 0.3102, 0.3840$, and the grayscale version is $25.0642, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.9963, 0.3146, 0.2894$, and $8.9951, 0.3141, 0.2622$ is the 20% darker color. If you saturate the color by 10%, you get $20.2766, 0.3161, 0.2553$, and if you desaturate by 10%, it is $28.1111, 0.3139, 0.3039$.

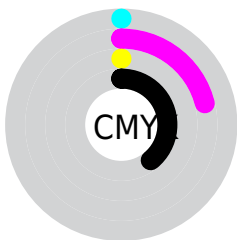
Distribution



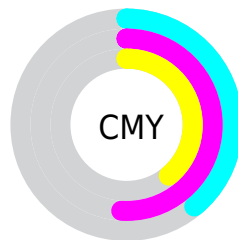
- Red (61%)
- Green (49%)
- Blue (61%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8835, 0.3150, 0.2795 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 23.8835, 0.3150, 0.2795 by changing the saturation by 10% instead.


 23.8835, 0.3150,
0.2795


 23.8835, 0.3150,
0.2795


272.2310, 0.3141,
0.3060


 15.2472, 0.3151,
0.2722


 49.8400, 0.3148,
0.2896

 8.9931, 0.3151,
0.2625


 67.9291, 0.3147,
0.2932

 4.7367, 0.3149,
0.2488


 89.9378, 0.3145,
0.2963

 2.0936, 0.3141,
0.2281

116.2506, 0.3144,
0.2988

 0.6610, 0.3130,
0.1894

147.2520, 0.3144,
0.3010

 0.0000, 0.0460,
0.0000

183.3262, 0.3143,

 0.0000, 0.0000,

0.3029

0.0000

224.8578, 0.3142,
0.3046

■ 23.8835, 0.3150,
0.2795

■ 23.8835, 0.3150,
0.2795

■ 20.2766, 0.3161,
0.2553

■ 28.1111, 0.3139,
0.3039

■ 17.2584, 0.3172,
0.2320

■ 32.9835, 0.3128,
0.3278

■ 14.7986, 0.3182,
0.2105

■ 38.5273, 0.3117,
0.3507

■ 12.8628, 0.3190,
0.1918

■ 44.7664, 0.3107,
0.3722

■ 11.4130, 0.3197,
0.1765

■ 51.7239, 0.3098,
0.3923

■ 10.4062, 0.3202,
0.1652

■ 59.4217, 0.3089,
0.4107

■ 9.7917, 0.3205,
0.1581

■ 67.8806, 0.3081,
0.4275

■ 9.4542, 0.3207,
0.1540

■ 77.1208, 0.3074,
0.4427

■ 81.0015, 0.3072,
0.4483

Harmonies

Analogous

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



23.8835, 0.2781, 0.2674



23.8835, 0.3150, 0.2795



23.8835, 0.3534, 0.3029

Triad

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



23.8835, 0.3150, 0.2795



23.8835, 0.3755, 0.3885



23.8835, 0.2485, 0.3188

Complementary

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



23.8835, 0.3150, 0.2795



29.5258, 0.3102, 0.3840

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.



23.8835, 0.2718, 0.3563



23.8835, 0.3150, 0.2795



23.8835, 0.3448, 0.3982

Square

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



23.8835, 0.3150, 0.2795



23.8835, 0.3893, 0.3640



23.8835, 0.3068, 0.3867



23.8835, 0.2415, 0.2874

Rectangle

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



23.8835, 0.3150, 0.2795



23.8835, 0.3738, 0.3226



23.8835, 0.3068, 0.3867



23.8835, 0.2546, 0.3312

Sweetspot

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



23.8845, 0.3150, 0.2795



54.7892, 0.3134, 0.3145



21.2382, 0.2795, 0.2749



11.9429, 0.3135, 0.3131



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.



23.8845, 0.3150, 0.2795



39.9720, 0.3156, 0.2674



23.3966, 0.3325, 0.3028



6.7542, 0.3137, 0.3070



7.7858, 0.3207, 0.1540



0.1393, 0.3208, 0.1541

Inverse Universe

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



22.9433, 0.3523, 0.3291



37.9215, 0.3649, 0.3291



29.9460, 0.2967, 0.3568



6.6463, 0.3284, 0.3290



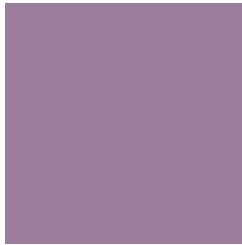
5.8221, 0.6399, 0.3299



0.1041, 0.6392, 0.3295

Previews

White Background



This preview shows how the Yxy color 23.8835, 0.3150, 0.2795 looks on a white background.

Color Contrast Check

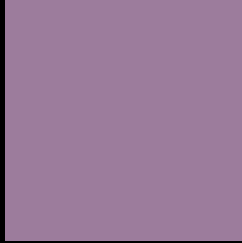
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8835, 0.3150, 0.2795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

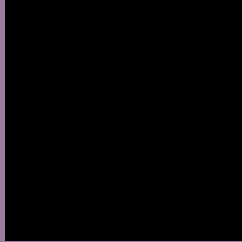
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8835, 0.3150, 0.2795

Background



This preview shows how black text looks on a background with the Yxy color 23.8835, 0.3150, 0.2795.



This preview shows how white text looks on a background with the Yxy color 23.8835, 0.3150, 0.2795.

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

23.8835, 0.3150, 0.2795

Protanopia

23.9729, 0.2790, 0.2809

Deuteranopia

24.0024, 0.2958, 0.2896



Tritanopia

23.7572, 0.3325, 0.3129

Trichromacy



Original Color

23.8835, 0.3150, 0.2795

Protanomaly

23.9066, 0.2909, 0.2803

Deuteranomaly

23.8246, 0.3035, 0.2856

Tritanomaly

23.8054, 0.3258, 0.3004

Monochromacy



Original Color

23.8835, 0.3150, 0.2795

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.4454, 0.3136, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8835, 0.3150, 0.2795 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(156, 124, 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(156, 124, 156) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 23.8835, 0.3150, 0.2795 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, 156) }
```

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

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

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, 156)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 23.8835, 0.3150, 0.2795 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, 156) }
```

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

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