

Converting Colors

$Y_{xy}(19.9775, 0.3859, 0.3260)$

Have a look what the booklet for
Yxy(19.9775, 0.3859, 0.3260)
contains.

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Color

Yxy(19.9775, 0.3859, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	A46D6F
RGB	164, 109, 111
RGB Percent	64%, 43%, 44%
CMY	0.3569, 0.5725, 0.5646
CMYK	0.00, 0.34, 0.32, 0.36
HSL	358°, 23%, 54%
HSV	358°, 34%, 64%
XYZ	23.6482, 19.9775, 17.6550
YIQ	125.6730, 32.1380, 12.2820

Conversions

Conversions Part 2

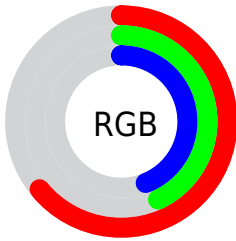
Format	Color
R_{YB}	164, 109, 111
Decimal	10775919
CIE _{Lab}	51.81, 22.19, 7.86
CIE _{LCh}	52, 23.536, 19.501
Yxy	19.9775, 0.3859, 0.3260
Android (android.graphics.Color)	4288965999 (0xFFA46D6F)
YUV	125.6730, -7.2338, 33.6128
Hunter-Lab	44.6962, 16.2238, 7.8678

Details

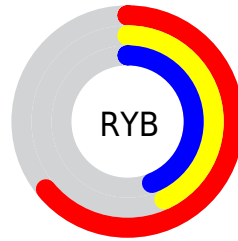
The Yxy color **19.9775, 0.3859, 0.3260** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.4091, 0.2675, 0.3322**, and the grayscale version is **20.7650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3497, 0.3684, 0.3268**, and **7.0114, 0.4167, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **16.4819, 0.4195, 0.3252**, and if you desaturate by 10%, it is **24.1894, 0.3583, 0.3269**.

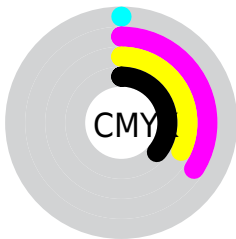
Distribution



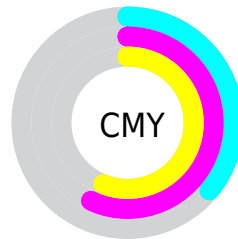
- Red (64%)
- Green (43%)
- Blue (44%)



- Red (64%)
- Yellow (43%)
- Blue (44%)



- Cyan (0%)
- Magenta (34%)
- Yellow (32%)
- Black (36%)



- Cyan (36%)
- Magenta (57%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9775, 0.3859, 0.3260 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 19.9775, 0.3859, 0.3260 by changing the saturation by 10% instead.


 19.9775, 0.3859,
0.3260

 19.9775, 0.3859,
0.3260


251.7933, 0.3438,
0.3285


 12.3787, 0.3987,
0.3248


 43.3795, 0.3690,
0.3273


 7.0021, 0.4169,
0.3228


 59.9514, 0.3632,
0.3276

 3.4634, 0.4447,
0.3190

 80.2832, 0.3585,
0.3279

 1.3782, 0.4918,
0.3109

 104.7592, 0.3545,
0.3281

 0.2006, 0.7850,
0.2150

133.7638, 0.3512,
0.3283

 0.0000, 0.0000,
0.0000

167.6814, 0.3484,

0.3284

206.8964, 0.3460,
0.3285

■ 19.9775, 0.3859,
0.3260

■ 19.9775, 0.3859,
0.3260

■ 16.4819, 0.4195,
0.3252

■ 24.1894, 0.3583,
0.3269

■ 13.6600, 0.4593,
0.3245

■ 29.1513, 0.3361,
0.3278

■ 11.4694, 0.5041,
0.3243


■ 34.8981, 0.3182,
0.3287


■ 9.8616, 0.5503,
0.3246


■ 41.4619, 0.3038,
0.3295


■ 8.7808, 0.5920,
0.3256


■ 48.8729, 0.2922,
0.3303


 8.1607, 0.6224,
0.3273

 57.1597, 0.2827,
0.3309

 7.9054, 0.6356,
0.3275

 66.3497, 0.2750,
0.3315

 76.4689, 0.2687,
0.3321

 86.5168, 0.2632,
0.3308

Harmonies

Analogous

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



19.9775, 0.3506, 0.2935



19.9775, 0.3859, 0.3260



19.9775, 0.4000, 0.3611

Triad

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



19.9775, 0.3859, 0.3260



19.9775, 0.3143, 0.3998



19.9775, 0.2405, 0.2645

Complementary

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



19.9775, 0.3859, 0.3260



32.4091, 0.2675, 0.3322

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.



19.9775, 0.2326, 0.2875



19.9775, 0.3859, 0.3260



19.9775, 0.2733, 0.3683

Square

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



19.9775, 0.3859, 0.3260



19.9775, 0.3568, 0.4073



19.9775, 0.2440, 0.3254



19.9775, 0.2664, 0.2589

Rectangle

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



19.9775, 0.3859, 0.3260



19.9775, 0.3951, 0.3824



19.9775, 0.2440, 0.3254



19.9775, 0.2357, 0.2702

Sweetspot

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



19.9785, 0.3859, 0.3260



56.2446, 0.3296, 0.3281



21.2211, 0.3132, 0.2469



12.0027, 0.3321, 0.3280



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.9785, 0.3859, 0.3260



31.5574, 0.4095, 0.3254



25.9777, 0.3761, 0.3678



7.0900, 0.3279, 0.3282



6.0633, 0.6349, 0.3271



0.1286, 0.6114, 0.3142

Inverse Universe

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



19.9785, 0.3859, 0.3260



31.5574, 0.4095, 0.3254



24.4694, 0.2608, 0.2865



7.0900, 0.3279, 0.3282



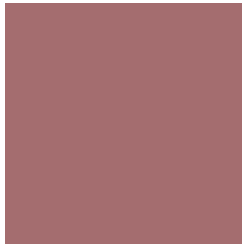
6.0633, 0.6349, 0.3271



0.1286, 0.6114, 0.3142

Previews

White Background



This preview shows how the Yxy color 19.9775, 0.3859, 0.3260 looks on a white background.

Color Contrast Check

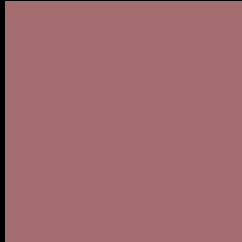
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9775, 0.3859, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

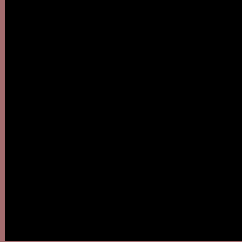
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9775, 0.3859, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 19.9775, 0.3859, 0.3260.



This preview shows how white text looks on a background with the Yxy color 19.9775, 0.3859, 0.3260.

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

19.9775, 0.3859, 0.3260

Protanopia

20.0099, 0.3222, 0.3364

Deuteranopia

19.9605, 0.3535, 0.3468



Tritanopia

19.9854, 0.3807, 0.3166

Trichromacy



Original Color

19.9775, 0.3859, 0.3260

Protanomaly

19.7933, 0.3436, 0.3326

Deuteranomaly

19.7768, 0.3644, 0.3377

Tritanomaly

19.9394, 0.3835, 0.3197

Monochromacy



Original Color

19.9775, 0.3859, 0.3260

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.3889, 0.3369, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9775, 0.3859, 0.3260 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(164, 109, 111)` looks like.

```
.text, #text, p{  
    color:rgb(164, 109, 111)  
}
```

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(164, 109, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 109, 111) }
```

Border

The CSS property to change the border of an element to Yxy 19.9775, 0.3859, 0.3260 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(164, 109, 111) }
```

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

```
.border{ border-color:rgb(164, 109, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 109, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 109, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 109, 111);  
box-shadow:4px 4px 4px 4px rgb(164, 109,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9775, 0.3859, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 109, 111) }
```

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

```
.background{ background-color: rgb(164,  
109, 111) }
```

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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