

Converting Colors

$Y_{xy}(20.3819, 0.3804, 0.3121)$

Have a look what the booklet for
Yxy(20.3819, 0.3804, 0.3121)
contains.

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Color

Yxy(20.3819, 0.3804, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	A86C77
RGB	168, 108, 119
RGB Percent	66%, 42%, 47%
CMY	0.3412, 0.5765, 0.5333
CMYK	0.00, 0.36, 0.29, 0.34
HSL	349°, 26%, 54%
HSV	349°, 36%, 66%
XYZ	24.8423, 20.3819, 20.0815
YIQ	127.1940, 32.2290, 16.1410

Conversions

Conversions Part 2

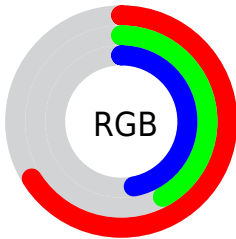
Format	Color
R_{YB}	168, 108, 119
Decimal	11037815
CIE _{Lab}	52.27, 25.43, 3.86
CIE _{LCh}	52, 25.724, 8.623
Yxy	20.3819, 0.3804, 0.3121
Android (android.graphics.Color)	4289227895 (0xFFA86C77)
YUV	127.1940, -4.0396, 35.7869
Hunter-Lab	45.1463, 19.2156, 5.2297

Details

The Yxy color $20.3819, 0.3804, 0.3121$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $33.6296, 0.2711, 0.3470$, and the grayscale version is $21.3002, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9292, 0.3647, 0.3162$, and $7.1603, 0.4079, 0.3029$ is the 20% darker color. If you saturate the color by 10%, you get $16.8678, 0.4097, 0.3075$, and if you desaturate by 10%, it is $24.6283, 0.3562, 0.3170$.

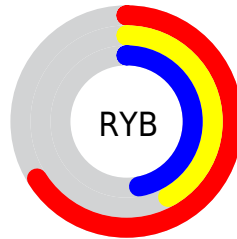
Distribution



Red (66%)

Green (42%)

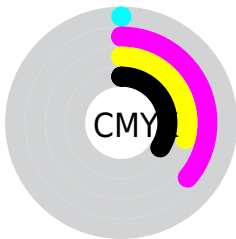
Blue (47%)



Red (66%)

Yellow (42%)

Blue (47%)

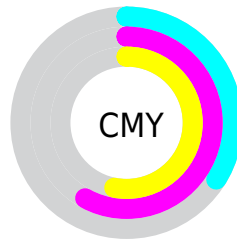


Cyan (0%)

Magenta (36%)

Yellow (29%)

Black (34%)



Cyan (34%)


Magenta (58%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3819, 0.3804, 0.3121 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 20.3819, 0.3804, 0.3121 by changing the saturation by 10% instead.


 20.3819, 0.3804,
0.3121


 20.3819, 0.3804,
0.3121


253.9751, 0.3417,
0.3222


 12.6730, 0.3921,
0.3089


 44.0565, 0.3650,
0.3162


 7.2037, 0.4086,
0.3042


 60.7910, 0.3596,
0.3176

 3.5898, 0.4336,
0.2967

 81.3028, 0.3552,
0.3188

 1.4469, 0.4757,
0.2834

 105.9763, 0.3516,
0.3197

 0.2509, 0.7716,
0.2252

135.1959, 0.3486,
0.3204

 0.0000, 0.0000,
0.0000

169.3460, 0.3460,

0.3211

208.8109, 0.3437,
0.3217

■ 20.3819, 0.3804,
0.3121

■ 20.3819, 0.3804,
0.3121

■ 16.8678, 0.4097,
0.3075

■ 24.6283, 0.3562,
0.3170

■ 14.0419, 0.4442,
0.3037

■ 29.6423, 0.3365,
0.3219

■ 11.8593, 0.4833,
0.3015


■ 35.4604, 0.3205,
0.3265

■ 10.2692, 0.5247,
0.3016


■ 42.1157, 0.3075,
0.3308

■ 9.2126, 0.5646,
0.3049

■ 49.6397, 0.2970,
0.3348


 8.6135, 0.5980,
0.3111

 58.0621, 0.2884,
0.3384

 8.4235, 0.6103,
0.3135

 67.4112, 0.2813,
0.3416

 77.7142, 0.2755,
0.3446

 86.2844, 0.2702,
0.3428

Harmonies

Analogous

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



20.3819, 0.3365, 0.2799



20.3819, 0.3804, 0.3121



20.3819, 0.4052, 0.3496

Triad

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



20.3819, 0.3804, 0.3121



20.3819, 0.3313, 0.4125



20.3819, 0.2293, 0.2659

Complementary

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



20.3819, 0.3804, 0.3121



33.6296, 0.2711, 0.3470

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.



20.3819, 0.2283, 0.2970



20.3819, 0.3804, 0.3121



20.3819, 0.2849, 0.3868

Square

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



20.3819, 0.3804, 0.3121



20.3819, 0.3747, 0.4102



20.3819, 0.2478, 0.3420



20.3819, 0.2504, 0.2534

Rectangle

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



20.3819, 0.3804, 0.3121



20.3819, 0.4065, 0.3742



20.3819, 0.2478, 0.3420



20.3819, 0.2267, 0.2743

Sweetspot

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



20.3829, 0.3804, 0.3121



58.3679, 0.3288, 0.3240



20.6209, 0.3025, 0.2386



12.4305, 0.3309, 0.3234



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.



20.3829, 0.3804, 0.3121



31.7364, 0.4036, 0.3083



24.3304, 0.3862, 0.3570



7.5640, 0.3258, 0.3249



6.3664, 0.6081, 0.3124



0.1612, 0.5284, 0.2685

Inverse Universe

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



20.3829, 0.3804, 0.3121



31.7364, 0.4036, 0.3083



27.8295, 0.2594, 0.2988



7.5640, 0.3258, 0.3249



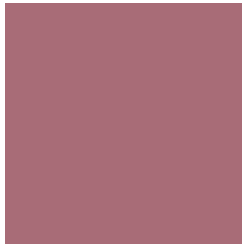
6.3664, 0.6081, 0.3124



0.1612, 0.5284, 0.2685

Previews

White Background



This preview shows how the Yxy color 20.3819, 0.3804, 0.3121 looks on a white background.

Color Contrast Check

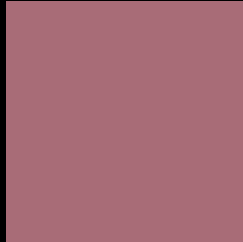
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3819, 0.3804, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

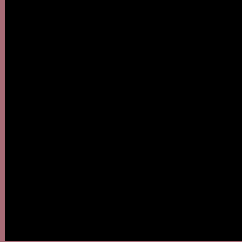
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3819, 0.3804, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 20.3819, 0.3804, 0.3121.



This preview shows how white text looks on a background with the Yxy color 20.3819, 0.3804, 0.3121.

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

20.3819, 0.3804, 0.3121

Protanopia

20.4094, 0.3107, 0.3217

Deuteranopia

20.5345, 0.3415, 0.3361



Tritanopia

20.3343, 0.3832, 0.3152

Trichromacy



Original Color

20.3819, 0.3804, 0.3121

Protanomaly

20.1003, 0.3337, 0.3169

Deuteranomaly

20.2828, 0.3548, 0.3257

Tritanomaly

20.3580, 0.3818, 0.3137

Monochromacy



Original Color

20.3819, 0.3804, 0.3121

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.6390, 0.3357, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3819, 0.3804, 0.3121 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, 108, 119)` looks like.

```
.text, #text, p{  
    color:rgb(168, 108, 119)  
}
```

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, 108, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 108, 119) }
```

Border

The CSS property to change the border of an element to Yxy 20.3819, 0.3804, 0.3121 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, 108, 119) }
```

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

```
.border{ border-color:rgb(168, 108, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 108, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 108, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 108, 119);  
box-shadow:4px 4px 4px 4px rgb(168, 108,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3819, 0.3804, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 108, 119) }
```

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

```
.background{ background-color: rgb(168,  
108, 119) }
```

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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