

Converting Colors

$Y_{xy}(18.3502, 0.3985, 0.3125)$

Have a look what the booklet for
Yxy(18.3502, 0.3985, 0.3125)
contains.

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Color

Yxy(18.3743, 0.3980, 0.3122)

Conversions

Conversions Part 1

Format	Color
Hex	A8636E
RGB	168, 99, 110
RGB Percent	66%, 39%, 43%
CMY	0.3412, 0.6117, 0.5687
CMYK	0.00, 0.41, 0.35, 0.34
HSL	350°, 28%, 52%
HSV	350°, 41%, 66%
XYZ	23.4240, 18.3743, 17.0560
YIQ	120.8850, 37.5930, 18.0490

Conversions

Conversions Part 2

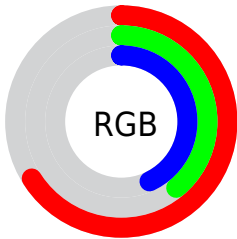
Format	Color
R_{YB}	168, 99, 110
Decimal	11035502
CIE Lab	49.95, 29.23, 5.89
CIE LCh	50, 29.814, 11.393
Yxy	18.3743, 0.3980, 0.3122
Android (android.graphics.Color)	4289225582 (0xFFA8636E)
YUV	120.8850, -5.3663, 41.3199
Hunter-Lab	42.8653, 22.5283, 6.4144

Details

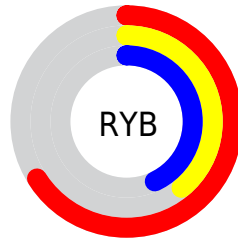
The Yxy color **18.3743, 0.3980, 0.3122** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **33.0949, 0.2648, 0.3473**, and the grayscale version is **19.0901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7140, 0.3785, 0.3174**, and **6.2175, 0.4353, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **15.2325, 0.4312, 0.3086**, and if you desaturate by 10%, it is **22.2292, 0.3702, 0.3163**.

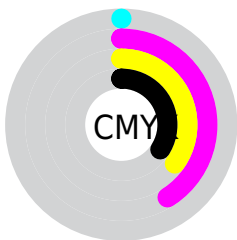
Distribution



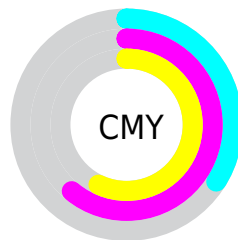
- Red (66%)
- Green (39%)
- Blue (43%)



- Red (66%)
- Yellow (39%)
- Blue (43%)



- Cyan (0%)
- Magenta (41%)
- Yellow (35%)
- Black (34%)



- Cyan (34%)
- Magenta (61%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3743, 0.3980, 0.3122 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 18.3743, 0.3980, 0.3122 by changing the saturation by 10% instead.


 18.3743, 0.3980,
0.3122


 18.3743, 0.3980,
0.3122


242.9724, 0.3485,
0.3227


 11.2190, 0.4133,
0.3086


 40.6741, 0.3780,
0.3167


 6.2144, 0.4353,
0.3030

 56.5874, 0.3711,
0.3181

 2.9759, 0.4690,
0.2938

 76.1889, 0.3656,
0.3193

 1.1191, 0.5282,
0.2770

 99.8629, 0.3610,
0.3202

 0.0000, 1.0000,
0.0000

127.9939, 0.3571,
0.3210

 0.0000, 0.0000,
0.0000

160.9662, 0.3538,

0.3217

199.1643, 0.3510,
0.3222

■ 18.3743, 0.3980,
0.3122

■ 18.3743, 0.3980,
0.3122

■ 15.2325, 0.4312,
0.3086

■ 22.2292, 0.3702,
0.3163

■ 12.7573, 0.4696,
0.3060

■ 26.8345, 0.3475,
0.3206

■ 10.9012, 0.5114,
0.3053


■ 32.2280, 0.3291,
0.3247

■ 9.6089, 0.5534,
0.3071

■ 38.4443, 0.3141,
0.3286


■ 8.8156, 0.5903,
0.3118


■ 45.5160, 0.3020,
0.3322

 8.4029, 0.6161,
0.3168

 53.4737, 0.2922,
0.3355

 62.3467, 0.2842,
0.3384

 72.1629, 0.2776,
0.3411

 82.9489, 0.2722,
0.3436

Harmonies

Analogous

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



18.3743, 0.3462, 0.2741



18.3743, 0.3980, 0.3122



18.3743, 0.4248, 0.3561

Triad

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



18.3743, 0.3980, 0.3122



18.3743, 0.3287, 0.4291



18.3743, 0.2158, 0.2514

Complementary

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



18.3743, 0.3980, 0.3122



33.0949, 0.2648, 0.3473

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.



18.3743, 0.2122, 0.2855



18.3743, 0.3980, 0.3122



18.3743, 0.2742, 0.3949

Square

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



18.3743, 0.3980, 0.3122



18.3743, 0.3816, 0.4275



18.3743, 0.2324, 0.3386



18.3743, 0.2422, 0.2396

Rectangle

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



18.3743, 0.3980, 0.3122



18.3743, 0.4238, 0.3850



18.3743, 0.2324, 0.3386



18.3743, 0.2120, 0.2603

Sweetspot

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



18.3752, 0.3980, 0.3122



57.2784, 0.3310, 0.3243



18.8704, 0.3032, 0.2258



12.2095, 0.3331, 0.3238



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.



18.3752, 0.3980, 0.3122



28.2433, 0.4270, 0.3089



23.1464, 0.3997, 0.3648



7.5610, 0.3262, 0.3254



6.3505, 0.6141, 0.3157



0.1601, 0.5404, 0.2750

Inverse Universe

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



18.3752, 0.3980, 0.3122



28.2433, 0.4270, 0.3089



25.7323, 0.2513, 0.2894



7.5610, 0.3262, 0.3254



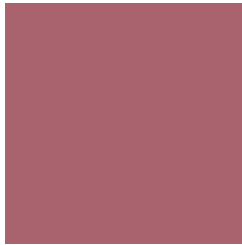
6.3505, 0.6141, 0.3157



0.1601, 0.5404, 0.2750

Previews

White Background



This preview shows how the Yxy color 18.3743, 0.3980, 0.3122 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 18.3743, 0.3980, 0.3122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

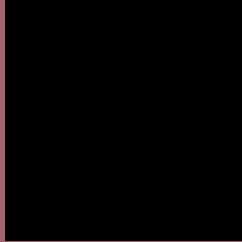
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3743, 0.3980, 0.3122

Background



This preview shows how black text looks on a background with the Yxy color 18.3743, 0.3980, 0.3122.



This preview shows how white text looks on a background with the Yxy color 18.3743, 0.3980, 0.3122.

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

18.3743, 0.3980, 0.3122

Protanopia

18.6391, 0.3129, 0.3252

Deuteranopia

18.4739, 0.3494, 0.3438



Tritanopia

18.5007, 0.4020, 0.3184

Trichromacy



Original Color

18.3743, 0.3980, 0.3122

Protanomaly

18.2760, 0.3413, 0.3201

Deuteranomaly

18.2230, 0.3669, 0.3309

Tritanomaly

18.5219, 0.4005, 0.3168

Monochromacy



Original Color

18.3743, 0.3980, 0.3122

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.4979, 0.3410, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3743, 0.3980, 0.3122 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, 99, 110)` looks like.

```
.text, #text, p{  
  color:rgb(168, 99, 110)  
}
```

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, 99, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 99, 110) }
```

Border

The CSS property to change the border of an element to Yxy 18.3743, 0.3980, 0.3122 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, 99, 110) }
```

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

```
.border{ border-color:rgb(168, 99, 110) }
```

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

Here you see how a box with a 4 pixel rgb(168, 99, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 99, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 99, 110);  
box-shadow:4px 4px 4px 4px rgb(168, 99,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3743, 0.3980, 0.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 99, 110) }
```

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

```
.background{ background-color: rgb(168, 99,  
110) }
```

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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