

Converting Colors

$Y_{xy}(16.0637, 0.3923, 0.3198)$

Have a look what the booklet for
Yxy(16.0637, 0.3923, 0.3198)
contains.

Yxy(16.0776, 0.3924, 0.3208)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.0776, 0.3924, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	996065
RGB	153, 96, 101
RGB Percent	60%, 38%, 40%
CMY	0.4001, 0.6235, 0.6040
CMYK	0.00, 0.37, 0.34, 0.40
HSL	355°, 23%, 49%
HSV	355°, 37%, 60%
XYZ	19.6660, 16.0776, 14.3736
YIQ	113.6130, 32.3670, 13.6390

Conversions

Conversions Part 2

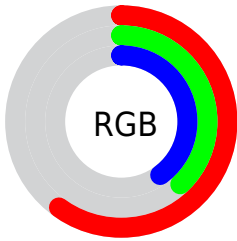
Format	Color
R_{YB}	153, 96, 101
Decimal	10051685
CIE _{Lab}	47.08, 23.85, 6.92
CIE _{LCh}	47, 24.833, 16.172
Yxy	16.0776, 0.3924, 0.3208
Android (android.graphics.Color)	4288241765 (0xFF996065)
YUV	113.6130, -6.2182, 34.5424
Hunter-Lab	40.0969, 17.3779, 6.8140

Details

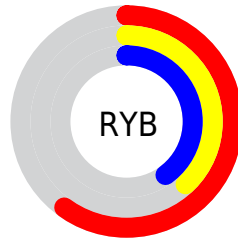
The Yxy color **16.0776, 0.3924, 0.3208** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.4042, 0.2657, 0.3377**, and the grayscale version is **16.7173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6897, 0.3731, 0.3229**, and **5.0896, 0.4315, 0.3147** is the 20% darker color. If you saturate the color by 10%, you get **13.3019, 0.4260, 0.3188**, and if you desaturate by 10%, it is **19.4446, 0.3646, 0.3231**.

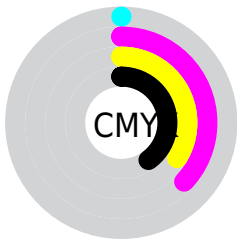
Distribution



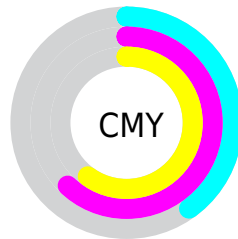
- Red (60%)
- Green (38%)
- Blue (40%)



- Red (60%)
- Yellow (38%)
- Blue (40%)



- Cyan (0%)
- Magenta (37%)
- Yellow (34%)
- Black (40%)



- Cyan (40%)
- Magenta (62%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0776, 0.3924, 0.3208 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 16.0776, 0.3924, 0.3208 by changing the saturation by 10% instead.


 16.0776, 0.3924,
0.3208


 16.0776, 0.3924,
0.3208


229.7992, 0.3452,
0.3265


 9.5791, 0.4076,
0.3185


 36.7329, 0.3730,
0.3234


 5.1208, 0.4298,
0.3147

 51.6584, 0.3665,
0.3242

 2.3183, 0.4651,
0.3076

 70.1617, 0.3612,
0.3248

 0.7834, 0.5530,
0.3038

 92.6273, 0.3569,
0.3253

 0.0000, 1.0000,
0.0000

119.4394, 0.3532,
0.3257

 0.0000, 0.0000,
0.0000

150.9825, 0.3502,

0.3260

187.6409, 0.3475,
0.3263

■ 16.0776, 0.3924,
0.3208

■ 16.0776, 0.3924,
0.3208

■ 13.3019, 0.4260,
0.3188

■ 19.4446, 0.3646,
0.3231

■ 11.0813, 0.4653,
0.3173

■ 23.4319, 0.3420,
0.3253

■ 9.3789, 0.5089,
0.3167


■ 28.0694, 0.3237,
0.3275


■ 8.1528, 0.5532,
0.3175


■ 33.3842, 0.3090,
0.3295

■ 7.3543, 0.5927,
0.3199


■ 39.4021, 0.2970,
0.3314

 6.9037, 0.6219,
0.3232

 46.1473, 0.2874,
0.3331

 6.8009, 0.6284,
0.3236

 53.6431, 0.2794,
0.3346

 61.9116, 0.2729,
0.3360

 70.9741, 0.2675,
0.3373

Harmonies

Analogous

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



16.0776, 0.3501, 0.2854



16.0776, 0.3924, 0.3208



16.0776, 0.4114, 0.3601

Triad

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



16.0776, 0.3924, 0.3208



16.0776, 0.3195, 0.4125



16.0776, 0.2296, 0.2581

Complementary

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



16.0776, 0.3924, 0.3208



27.4042, 0.2657, 0.3377

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.



16.0776, 0.2231, 0.2856



16.0776, 0.3924, 0.3208



16.0776, 0.2725, 0.3789

Square

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



16.0776, 0.3924, 0.3208



16.0776, 0.3669, 0.4170



16.0776, 0.2380, 0.3298



16.0776, 0.2563, 0.2501

Rectangle

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



16.0776, 0.3924, 0.3208



16.0776, 0.4077, 0.3848



16.0776, 0.2380, 0.3298



16.0776, 0.2251, 0.2651

Sweetspot

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



16.0784, 0.3924, 0.3208



46.8328, 0.3305, 0.3267



16.8975, 0.3095, 0.2375



10.1160, 0.3327, 0.3264



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



16.0784, 0.3924, 0.3208



24.4392, 0.4211, 0.3190



20.7625, 0.3861, 0.3674



6.2310, 0.3270, 0.3271



5.6243, 0.6274, 0.3230



0.0861, 0.5724, 0.2927

Inverse Universe

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



16.0784, 0.3924, 0.3208



24.4392, 0.4211, 0.3190



20.8048, 0.2561, 0.2867



6.2310, 0.3270, 0.3271



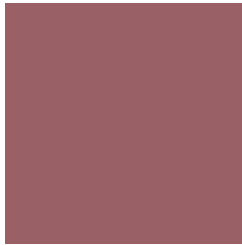
5.6243, 0.6274, 0.3230



0.0861, 0.5724, 0.2927

Previews

White Background



This preview shows how the Yxy color 16.0776, 0.3924, 0.3208 looks on a white background.

Color Contrast Check

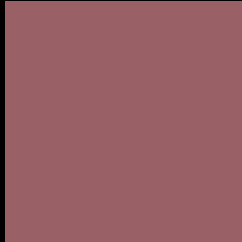
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.0776, 0.3924, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

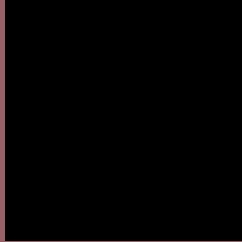
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0776, 0.3924, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 16.0776, 0.3924, 0.3208.

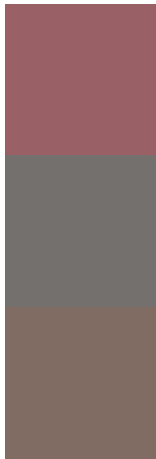


This preview shows how white text looks on a background with the Yxy color 16.0776, 0.3924, 0.3208.

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

16.0776, 0.3924, 0.3208

Protanopia

16.3373, 0.3204, 0.3351

Deuteranopia

16.2152, 0.3530, 0.3465



Tritanopia

16.1173, 0.3892, 0.3174

Trichromacy



Original Color

16.0776, 0.3924, 0.3208

Protanomaly

16.0158, 0.3454, 0.3291

Deuteranomaly

16.1391, 0.3663, 0.3366

Tritanomaly

16.0974, 0.3908, 0.3191

Monochromacy



Original Color

16.0776, 0.3924, 0.3208

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.2087, 0.3395, 0.3253

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0776, 0.3924, 0.3208 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(153, 96, 101)` looks like.

```
.text, #text, p{  
    color:rgb(153, 96, 101)  
}
```

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(153, 96, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 96, 101) }
```

Border

The CSS property to change the border of an element to Yxy 16.0776, 0.3924, 0.3208 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(153, 96, 101) }
```

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

```
.border{ border-color:rgb(153, 96, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 96, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 96, 101); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 96, 101); box-shadow:4px 4px 4px 4px rgb(153, 96, 101) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0776, 0.3924, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 96, 101) }
```

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

```
.background{ background-color: rgb(153, 96,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor