

Converting Colors

$Y_{xy}(16.7925, 0.4023, 0.3394)$

Have a look what the booklet for
Yxy(16.7925, 0.4023, 0.3394)
contains.

Yxy(16.7925, 0.4023, 0.3394)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7925, 0.4023, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	9A645E
RGB	154, 100, 94
RGB Percent	60%, 39%, 37%
CMY	0.3961, 0.6078, 0.6314
CMYK	0.00, 0.35, 0.39, 0.40
HSL	6°, 24%, 49%
HSV	6°, 39%, 60%
XYZ	19.9046, 16.7925, 12.7799
YIQ	115.4620, 34.1100, 9.5820

Conversions

Conversions Part 2

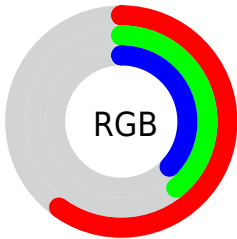
Format	Color
RYB	154, 101, 94
Decimal	10118238
CIELab	48.00, 21.07, 12.42
CIELCh	48, 24.457, 30.512
Yxy	16.7925, 0.4023, 0.3394
Android (android.graphics.Color)	4288308318 (0xFF9A645E)
YUV	115.4620, -10.5808, 33.7978
Hunter-Lab	40.9787, 14.9904, 10.1944

Details

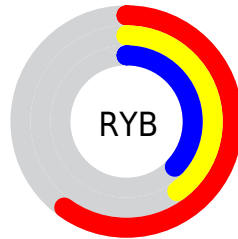
The Yxy color **16.7925, 0.4023, 0.3394** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **25.8917, 0.2585, 0.3181**, and the grayscale version is **17.3175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8485, 0.3812, 0.3380**, and **5.4361, 0.4446, 0.3390** is the 20% darker color. If you saturate the color by 10%, you get **14.1077, 0.4378, 0.3419**, and if you desaturate by 10%, it is **19.9864, 0.3724, 0.3366**.

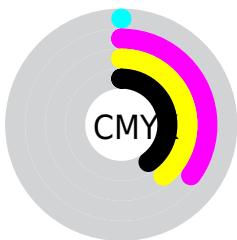
Distribution



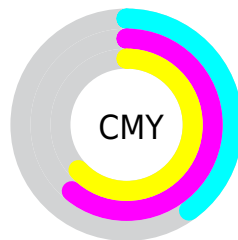
- Red (60%)
- Green (39%)
- Blue (37%)



- Red (60%)
- Yellow (40%)
- Blue (37%)



- Cyan (0%)
- Magenta (35%)
- Yellow (39%)
- Black (40%)



- Cyan (40%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7925, 0.4023, 0.3394 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 16.7925, 0.4023, 0.3394 by changing the saturation by 10% instead.

 16.7925, 0.4023,
0.3394


 16.7925, 0.4023,
0.3394


233.9738, 0.3495,
0.3348


 10.0867, 0.4191,
0.3400


 37.9687, 0.3807,
0.3380


 5.4565, 0.4434,
0.3401

 53.2078, 0.3734,
0.3374

 2.5175, 0.4812,
0.3384

 72.0601, 0.3675,
0.3368

 0.8854, 0.5993,
0.3615

 94.9100, 0.3626,
0.3363

 0.0000, 1.0000,
0.0000

122.1420, 0.3585,
0.3359

 0.0000, 0.0000,
0.0000

154.1403, 0.3550,

0.3355

191.2895, 0.3521,
0.3351

■ 16.7925, 0.4023,
0.3394

■ 16.7925, 0.4023,
0.3394

■ 14.1077, 0.4378,
0.3419

■ 19.9864, 0.3724,
0.3366

■ 11.9033, 0.4784,
0.3438

■ 23.7112, 0.3478,
0.3339

■ 10.1515, 0.5224,
0.3445


■ 27.9904, 0.3276,
0.3312


■ 8.8210, 0.5655,
0.3436


■ 32.8454, 0.3112,
0.3288


■ 7.8759, 0.6021,
0.3409


■ 38.2965, 0.2977,
0.3265

 7.2704, 0.6283,
0.3375

 44.3630, 0.2867,
0.3244

 7.2243, 0.6307,
0.3374

 51.0633, 0.2776,
0.3226

 58.4151, 0.2700,
0.3209

 66.4352, 0.2636,
0.3194

Harmonies

Analogous

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



16.7925, 0.3706, 0.3022



16.7925, 0.4023, 0.3394



16.7925, 0.4073, 0.3770

Triad

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



16.7925, 0.4023, 0.3394



16.7925, 0.2968, 0.3973



16.7925, 0.2419, 0.2539

Complementary

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



16.7925, 0.4023, 0.3394



25.8917, 0.2585, 0.3181

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.



16.7925, 0.2259, 0.2718



16.7925, 0.4023, 0.3394



16.7925, 0.2556, 0.3553

Square

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



16.7925, 0.4023, 0.3394



16.7925, 0.3443, 0.4159



16.7925, 0.2306, 0.3079



16.7925, 0.2764, 0.2548

Rectangle

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



16.7925, 0.4023, 0.3394



16.7925, 0.3952, 0.3981



16.7925, 0.2306, 0.3079



16.7925, 0.2344, 0.2577

Sweetspot

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



16.7933, 0.4023, 0.3394



48.1854, 0.3338, 0.3321



17.0130, 0.3249, 0.2438



10.6944, 0.3361, 0.3324



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.



16.7933, 0.4023, 0.3394



26.0848, 0.4339, 0.3417



23.6442, 0.3831, 0.3883



6.3173, 0.3281, 0.3313



5.9124, 0.6299, 0.3381



0.1114, 0.5877, 0.3716

Inverse Universe

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



25.8917, 0.2585, 0.3181



45.0358, 0.2483, 0.3152



17.6690, 0.2501, 0.2610



6.9208, 0.2989, 0.3267



16.8756, 0.2161, 0.2980



0.2788, 0.2203, 0.3129

Previews

White Background



This preview shows how the Yxy color 16.7925, 0.4023, 0.3394 looks on a white background.

Color Contrast Check

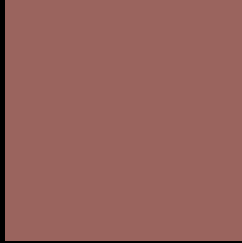
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7925, 0.4023, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

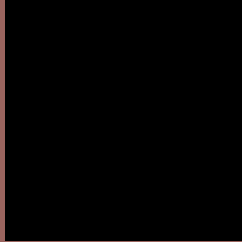
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.7925, 0.4023, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 16.7925, 0.4023, 0.3394.

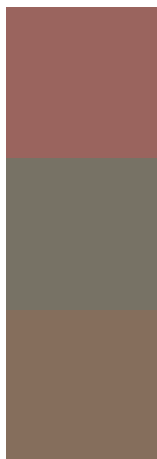


This preview shows how white text looks on a background with the Yxy color 16.7925, 0.4023, 0.3394.

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

16.7925, 0.4023, 0.3394

Protanopia

16.8962, 0.3356, 0.3550

Deuteranopia

16.9111, 0.3689, 0.3631



Tritanopia

16.7445, 0.3864, 0.3158

Trichromacy



Original Color

16.7925, 0.4023, 0.3394

Protanomaly

16.7247, 0.3597, 0.3500

Deuteranomaly

16.7611, 0.3813, 0.3528

Tritanomaly

16.8516, 0.3920, 0.3242

Monochromacy



Original Color

16.7925, 0.4023, 0.3394

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.8805, 0.3428, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7925, 0.4023, 0.3394 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(154, 100, 94)` looks like.

```
.text, #text, p{  
    color:rgb(154, 100, 94)  
}
```

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(154, 100, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 100, 94) }
```

Border

The CSS property to change the border of an element to Yxy 16.7925, 0.4023, 0.3394 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(154, 100, 94) }
```

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

```
.border{ border-color:rgb(154, 100, 94) }
```

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

Here you see how a box with a 4 pixel rgb(154, 100, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 100, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 100, 94);  
box-shadow:4px 4px 4px 4px rgb(154, 100,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7925, 0.4023, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 100, 94) }
```

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

```
.background{ background-color: rgb(154,  
100, 94) }
```

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