

Converting Colors

$Y_{xy}(23.7893, 0.3787, 0.3343)$

Have a look what the booklet for
Yxy(23.7893, 0.3787, 0.3343)
contains.

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Color

Yxy(23.8850, 0.3794, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	AB7A76
RGB	171, 122, 118
RGB Percent	67%, 48%, 46%
CMY	0.3293, 0.5216, 0.5373
CMYK	0.00, 0.29, 0.31, 0.33
HSL	5°, 24%, 57%
HSV	5°, 31%, 67%
XYZ	27.0265, 23.8850, 20.3233
YIQ	136.1950, 30.4880, 9.1440

Conversions

Conversions Part 2

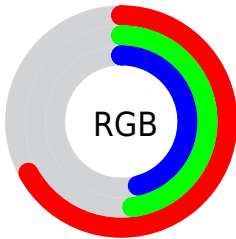
Format	Color
RYB	171, 122, 118
Decimal	11238006
CIELab	55.97, 18.57, 9.79
CIElCh	56, 20.989, 27.809
Yxy	23.8850, 0.3794, 0.3353
Android (android.graphics.Color)	4289428086 (0xFFAB7A76)
YUV	136.1950, -8.9701, 30.5240
Hunter-Lab	48.8723, 13.1843, 9.5552

Details

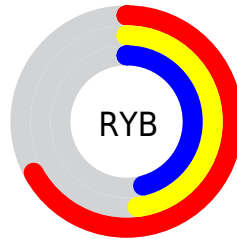
The Yxy color **23.8850, 0.3794, 0.3353** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **34.4343, 0.2683, 0.3226**, and the grayscale version is **24.7238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8931, 0.3643, 0.3349**, and **8.9892, 0.4043, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **19.9440, 0.4113, 0.3374**, and if you desaturate by 10%, it is **28.5337, 0.3531, 0.3332**.

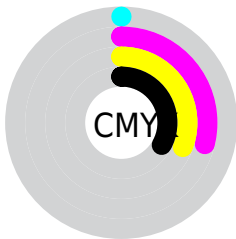
Distribution



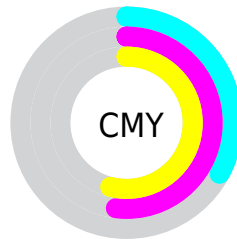
- Red (67%)
- Green (48%)
- Blue (46%)



- Red (67%)
- Yellow (48%)
- Blue (46%)



- Cyan (0%)
- Magenta (29%)
- Yellow (31%)
- Black (33%)




- Cyan (33%)
- Magenta (52%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8850, 0.3794, 0.3353 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 23.8850, 0.3794, 0.3353 by changing the saturation by 10% instead.


 23.8850, 0.3794,
0.3353


 23.8850, 0.3794,
0.3353


272.2386, 0.3420,
0.3326


 15.2483, 0.3903,
0.3357


 49.8425, 0.3647,
0.3345

 8.9939, 0.4055,
0.3360


 67.9321, 0.3595,
0.3341

 4.7372, 0.4278,
0.3358

 89.9414, 0.3553,
0.3338

 2.0939, 0.4638,
0.3340

116.2550, 0.3518,
0.3335

 0.6612, 0.6134,
0.3670

147.2570, 0.3488,
0.3332

 0.0000, 1.0000,
0.0000


183.3321, 0.3462,

 0.0000, 0.0000,


0.3330


0.0000

224.8644, 0.3440,
0.3328


 23.8850, 0.3794,
0.3353


 23.8850, 0.3794,
0.3353


 19.9440, 0.4113,
0.3374


 28.5337, 0.3531,
0.3332


 16.6727, 0.4492,
0.3392


 33.9187, 0.3317,
0.3311


 14.0348, 0.4922,
0.3404

 40.0714, 0.3143,
0.3292


 11.9894, 0.5375,
0.3407


 47.0201, 0.3001,
0.3274


 10.4905, 0.5802,
0.3395

 54.7920, 0.2886,
0.3258


 9.4855, 0.6138,
0.3369

 63.4127, 0.2792,
0.3244

 8.9454, 0.6340,
0.3348

 72.9069, 0.2714,
0.3231

 83.2982, 0.2649,
0.3219

 87.3998, 0.2657,
0.3289

Harmonies

Analogous

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



23.8850, 0.3541, 0.3061



23.8850, 0.3794, 0.3353



23.8850, 0.3855, 0.3647

Triad

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



23.8850, 0.3794, 0.3353



23.8850, 0.3044, 0.3822



23.8850, 0.2561, 0.2715

Complementary

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



23.8850, 0.3794, 0.3353



34.4343, 0.2683, 0.3226

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.



23.8850, 0.2448, 0.2875



23.8850, 0.3794, 0.3353



23.8850, 0.2714, 0.3523

Square

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



23.8850, 0.3794, 0.3353



23.8850, 0.3408, 0.3948



23.8850, 0.2502, 0.3167



23.8850, 0.2822, 0.2704

Rectangle

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



23.8850, 0.3794, 0.3353



23.8850, 0.3778, 0.3810



23.8850, 0.2502, 0.3167



23.8850, 0.2505, 0.2752

Sweetspot

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



23.8861, 0.3794, 0.3353



62.6615, 0.3282, 0.3307



24.4232, 0.3202, 0.2581



13.6418, 0.3308, 0.3310



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



23.8861, 0.3794, 0.3353



37.9389, 0.4000, 0.3367



31.1601, 0.3679, 0.3738



8.1089, 0.3285, 0.3308



6.7745, 0.6331, 0.3355



0.2192, 0.6053, 0.3576

Inverse Universe

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



34.4343, 0.2683, 0.3226



59.7547, 0.2600, 0.3210



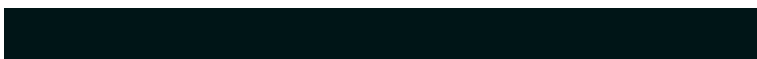
25.8331, 0.2634, 0.2795



8.9670, 0.2986, 0.3272



20.7080, 0.2182, 0.3056



0.6060, 0.2203, 0.3132

Previews

White Background



This preview shows how the Yxy color 23.8850, 0.3794, 0.3353 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 23.8850, 0.3794, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

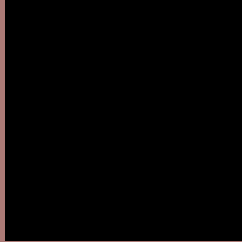
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8850, 0.3794, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 23.8850, 0.3794, 0.3353.



This preview shows how white text looks on a background with the Yxy color 23.8850, 0.3794, 0.3353.

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

23.8850, 0.3794, 0.3353

Protanopia

23.9944, 0.3291, 0.3462

Deuteranopia

23.8549, 0.3566, 0.3488



Tritanopia

23.7886, 0.3674, 0.3156

Trichromacy



Original Color

23.8850, 0.3794, 0.3353

Protanomaly

23.9497, 0.3467, 0.3423

Deuteranomaly

23.6796, 0.3652, 0.3436

Tritanomaly

23.9261, 0.3721, 0.3231

Monochromacy



Original Color

23.8850, 0.3794, 0.3353

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.2071, 0.3360, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8850, 0.3794, 0.3353 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(171, 122, 118)` looks like.

```
.text, #text, p{  
    color:rgb(171, 122, 118)  
}
```

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(171, 122, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 122, 118) }
```

Border

The CSS property to change the border of an element to Yxy 23.8850, 0.3794, 0.3353 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(171, 122, 118) }
```

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

```
.border{ border-color:rgb(171, 122, 118) }
```

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

Here you see how a box with a 4 pixel rgb(171, 122, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 122, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 122, 118);  
box-shadow:4px 4px 4px 4px rgb(171, 122,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8850, 0.3794, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 122, 118) }
```

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

```
.background{ background-color: rgb(171,  
122, 118) }
```

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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