

Converting Colors

$Y_{xy}(10.7620, 0.3803, 0.2745)$

Have a look what the booklet for
Yxy(10.7620, 0.3803, 0.2745)
contains.

Yxy(10.7644, 0.3797, 0.2740)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7644, 0.3797, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	894765
RGB	137, 71, 101
RGB Percent	54%, 28%, 40%
CMY	0.4628, 0.7215, 0.6039
CMYK	0.00, 0.48, 0.26, 0.46
HSL	333°, 32%, 41%
HSV	333°, 48%, 54%
XYZ	14.9169, 10.7644, 13.6048
YIQ	94.1540, 29.7060, 23.3220

Conversions

Conversions Part 2

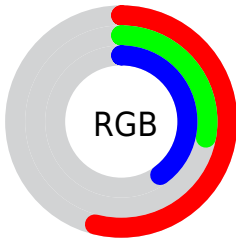
Format	Color
R_{YB}	137, 71, 101
Decimal	8996709
CIE Lab	39.18, 31.85, -4.85
CIE LCh	39, 32.220, 351.348
Yxy	10.7644, 0.3797, 0.2740
Android (android.graphics.Color)	4287186789 (0xFF894765)
YUV	94.1540, 3.3751, 37.5759
Hunter-Lab	32.8091, 23.7405, -1.6191

Details

The Yxy color **10.7644, 0.3797, 0.2740** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **20.2882, 0.2753, 0.3935**, and the grayscale version is **11.2191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1482, 0.3622, 0.2872**, and **2.8104, 0.4171, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **9.0744, 0.4013, 0.2640**, and if you desaturate by 10%, it is **12.8616, 0.3610, 0.2853**.

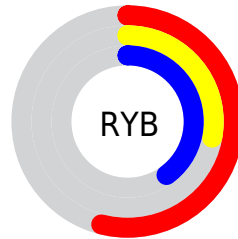
Distribution



Red (54%)

Green (28%)

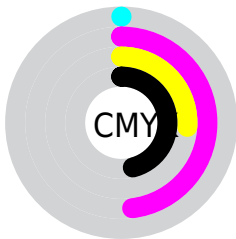
Blue (40%)



Red (54%)

Yellow (28%)

Blue (40%)

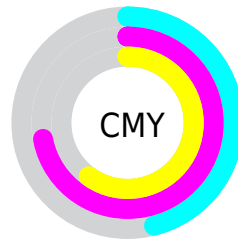


Cyan (0%)

Magenta (48%)

Yellow (26%)

Black (46%)



Cyan (46%)


Magenta (72%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7644, 0.3797, 0.2740 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 10.7644, 0.3797, 0.2740 by changing the saturation by 10% instead.


 10.7644, 0.3797,
0.2740


 10.7644, 0.3797,
0.2740


196.0440, 0.3388,
0.3071


 5.9086, 0.3938,
0.2630


 27.2237, 0.3624,
0.2878


 2.7896, 0.4153,
0.2466

 39.5960, 0.3567,
0.2924


 1.0229, 0.4518,
0.2197

 55.2426, 0.3522,
0.2961

 0.0000, 0.7422,
0.0000

 74.5479, 0.3485,
0.2991

 0.0000, 0.0000,
0.0000

 97.8963, 0.3454,
0.3016

125.6722, 0.3429,

0.3037

158.2599, 0.3407,
0.3055

■ 10.7644, 0.3797,
0.2740

■ 10.7644, 0.3797,
0.2740

■ 9.0744, 0.4013,
0.2640

■ 12.8616, 0.3610,
0.2853

■ 7.7629, 0.4254,
0.2563

■ 15.3891, 0.3450,
0.2971

■ 6.8000, 0.4514,
0.2522

■ 18.3699, 0.3316,
0.3089

■ 6.1507, 0.4782,
0.2526

■ 21.8251, 0.3204,
0.3202

■ 5.7380, 0.5046,
0.2572

■ 25.7744, 0.3111,
0.3309

■ 5.6679, 0.5096,
0.2581

■ 30.2364, 0.3034,
0.3409

■ 35.2286, 0.2971,
0.3502

■ 40.7678, 0.2918,
0.3586

■ 46.8701, 0.2874,
0.3664

Harmonies

Analogous

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



10.7644, 0.3044, 0.2369



10.7644, 0.3797, 0.2740



10.7644, 0.4392, 0.3235

Triad

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



10.7644, 0.3797, 0.2740



10.7644, 0.3770, 0.4617



10.7644, 0.1855, 0.2544

Complementary

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



10.7644, 0.3797, 0.2740



20.2882, 0.2753, 0.3935

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.



10.7644, 0.1996, 0.3147



10.7644, 0.3797, 0.2740



10.7644, 0.3070, 0.4518

Square

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



10.7644, 0.3797, 0.2740



10.7644, 0.4333, 0.4291



10.7644, 0.2423, 0.3924



10.7644, 0.1993, 0.2231

Rectangle

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



10.7644, 0.3797, 0.2740



10.7644, 0.4571, 0.3597



10.7644, 0.2423, 0.3924



10.7644, 0.1870, 0.2714

Sweetspot

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



10.7649, 0.3797, 0.2740



35.1859, 0.3270, 0.3133



9.3902, 0.2714, 0.2001



7.6379, 0.3292, 0.3111



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



10.7649, 0.3797, 0.2740



15.9584, 0.4039, 0.2630



10.5652, 0.4370, 0.3334



5.0839, 0.3214, 0.3191



5.2833, 0.5089, 0.2577



0.0380, 0.4151, 0.2060

Inverse Universe

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



10.7649, 0.3797, 0.2740



15.9584, 0.4039, 0.2630



20.4138, 0.2502, 0.3244



5.0839, 0.3214, 0.3191



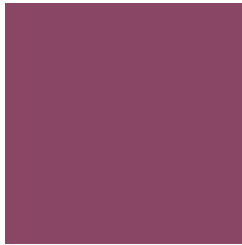
5.2833, 0.5089, 0.2577



0.0380, 0.4151, 0.2060

Previews

White Background



This preview shows how the Yxy color 10.7644, 0.3797, 0.2740 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 10.7644, 0.3797, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

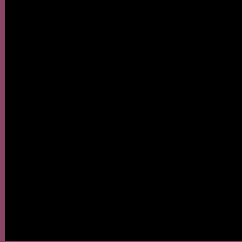
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7644, 0.3797, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 10.7644, 0.3797, 0.2740.



This preview shows how white text looks on a background with the Yxy color 10.7644, 0.3797, 0.2740.

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

10.7644, 0.3797, 0.2740

Protanopia

10.9668, 0.2759, 0.2764

Deuteranopia

10.9035, 0.3168, 0.3107



Tritanopia

10.7622, 0.4147, 0.3198

Trichromacy



Original Color

10.7644, 0.3797, 0.2740

Protanomaly

10.5306, 0.3089, 0.2727

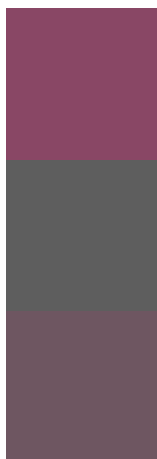
Deuteranomaly

10.5981, 0.3380, 0.2947

Tritanomaly

10.8364, 0.4016, 0.3030

Monochromacy



Original Color

10.7644, 0.3797, 0.2740

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.8336, 0.3355, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7644, 0.3797, 0.2740 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(137, 71, 101)` looks like.

```
.text, #text, p{  
    color:rgb(137, 71, 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(137, 71, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 71, 101) }
```

Border

The CSS property to change the border of an element to Yxy 10.7644, 0.3797, 0.2740 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(137, 71, 101) }
```

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

```
.border{ border-color:rgb(137, 71, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 71, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 71, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 71, 101);  
box-shadow:4px 4px 4px 4px rgb(137, 71,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7644, 0.3797, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 71, 101) }
```

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

```
.background{ background-color: rgb(137, 71,  
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