

Converting Colors

$Y_{xy}(10.0798, 0.3694, 0.2145)$

Have a look what the booklet for
Yxy(10.0798, 0.3694, 0.2145)
contains.

Yxy(10.0984, 0.3697, 0.2154)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.0984, 0.3697, 0.2154)

Conversions

Conversions Part 1

Format	Color
Hex	97307A
RGB	151, 48, 122
RGB Percent	59%, 19%, 48%
CMY	0.4079, 0.8117, 0.5215
CMYK	0.00, 0.68, 0.19, 0.41
HSL	317°, 52%, 39%
HSV	317°, 68%, 59%
XYZ	17.3323, 10.0984, 19.4514
YIQ	87.2330, 37.6340, 44.8500

Conversions

Conversions Part 2

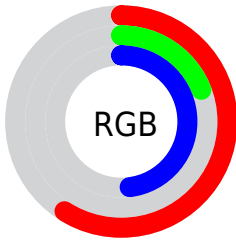
Format	Color
R_{YB}	151, 48, 122
Decimal	9908346
CIE _{Lab}	38.02, 50.70, -19.50
CIE _{LCh}	38, 54.321, 338.957
Yxy	10.0984, 0.3697, 0.2154
Android (android.graphics.Color)	4288098426 (0xFF97307A)
YUV	87.2330, 17.1401, 55.9237
Hunter-Lab	31.7780, 41.7458, -14.0470

Details

The Yxy color **10.0984, 0.3697, 0.2154** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **23.2964, 0.2855, 0.4882**, and the grayscale version is **9.5408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0078, 0.3563, 0.2407**, and **2.9678, 0.3875, 0.1908** is the 20% darker color. If you saturate the color by 10%, you get **8.9639, 0.3811, 0.2063**, and if you desaturate by 10%, it is **11.6590, 0.3587, 0.2282**.

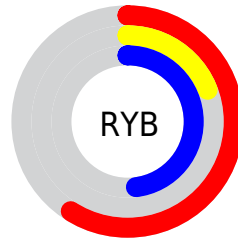
Distribution



Red (59%)

Green (19%)

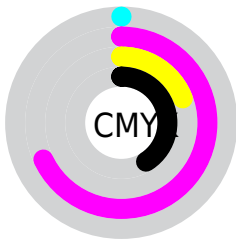
Blue (48%)



Red (59%)

Yellow (19%)

Blue (48%)

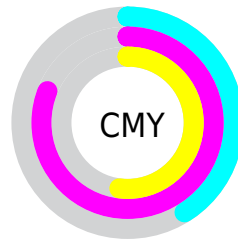


Cyan (0%)

Magenta (68%)

Yellow (19%)

Black (41%)



Cyan (41%)


Magenta (81%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0984, 0.3697, 0.2154 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 10.0984, 0.3697, 0.2154 by changing the saturation by 10% instead.


 10.0984, 0.3697,
0.2154

 10.0984, 0.3697,
0.2154


191.3729, 0.3370,
0.2802


 5.4642, 0.3795,
0.1962


 25.9804, 0.3567,
0.2411


 2.5221, 0.3931,
0.1697

 37.9971, 0.3522,
0.2501

 0.8877, 0.4130,
0.1314

 53.2434, 0.3485,
0.2574

 0.0000, 0.4792,
0.0000

 72.1037, 0.3454,
0.2635

 0.0000, 0.0000,
0.0000

 94.9624, 0.3428,
0.2687

 122.2039, 0.3406,

0.2731

154.2126, 0.3387,
0.2769

■ 10.0984, 0.3697,
0.2154

■ 10.0984, 0.3697,
0.2154

■ 8.9639, 0.3811,
0.2063

■ 11.6590, 0.3587,
0.2282

■ 8.2092, 0.3926,
0.2017

■ 13.6826, 0.3484,
0.2437

■ 7.7475, 0.4040,
0.2011

■ 16.2041, 0.3390,
0.2609

■ 7.6724, 0.4061,
0.2011

■ 19.2543, 0.3307,
0.2789

■ 22.8618, 0.3234,
0.2971

■ 27.0528, 0.3172,
0.3149

■ 31.8521, 0.3118,
0.3320

■ 37.2829, 0.3073,
0.3481

■ 43.3674, 0.3035,
0.3630

Harmonies

Analogous

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



10.0984, 0.2481, 0.1731



10.0984, 0.3697, 0.2154



10.0984, 0.4934, 0.2786

Triad

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



10.0984, 0.3697, 0.2154



10.0984, 0.4401, 0.5173



10.0984, 0.1212, 0.2325

Complementary

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



10.0984, 0.3697, 0.2154



23.2964, 0.2855, 0.4882

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.



10.0984, 0.1522, 0.3513



10.0984, 0.3697, 0.2154



10.0984, 0.3340, 0.5655

Square

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



10.0984, 0.3697, 0.2154



10.0984, 0.5231, 0.4324



10.0984, 0.2283, 0.5018



10.0984, 0.1273, 0.1742

Rectangle

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



10.0984, 0.3697, 0.2154



10.0984, 0.5420, 0.3266



10.0984, 0.2283, 0.5018



10.0984, 0.1269, 0.2649

Sweetspot

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



10.0989, 0.3697, 0.2154



39.4391, 0.3250, 0.2932



5.8637, 0.2113, 0.1293



8.5751, 0.3268, 0.2885



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.



10.0989, 0.3697, 0.2154



15.2406, 0.3874, 0.2032



9.1619, 0.4794, 0.2930



6.2940, 0.3178, 0.3131



6.5324, 0.4054, 0.2007



0.1038, 0.3613, 0.1764

Inverse Universe

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



10.0989, 0.3697, 0.2154



15.2406, 0.3874, 0.2032



24.2921, 0.2506, 0.3777



6.2940, 0.3178, 0.3131



6.5324, 0.4054, 0.2007



0.1038, 0.3613, 0.1764

Previews

White Background



This preview shows how the Yxy color 10.0984, 0.3697, 0.2154 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 10.0984, 0.3697, 0.2154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

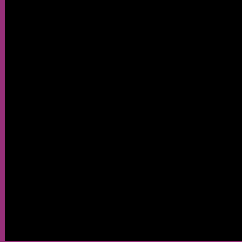
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.0984, 0.3697, 0.2154

Background



This preview shows how black text looks on a background with the Yxy color 10.0984, 0.3697, 0.2154.



This preview shows how white text looks on a background with the Yxy color 10.0984, 0.3697, 0.2154.

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

10.0984, 0.3697, 0.2154

Protanopia

10.3367, 0.2109, 0.1928

Deuteranopia

10.3841, 0.2714, 0.2668



Tritanopia

10.0834, 0.4674, 0.3211

Trichromacy



Original Color

10.0984, 0.3697, 0.2154

Protanomaly

9.0978, 0.2491, 0.1907

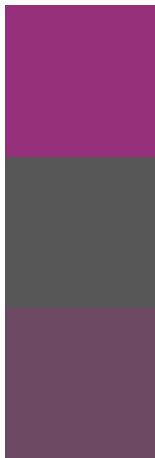
Deuteranomaly

9.5206, 0.3037, 0.2380

Tritanomaly

10.0266, 0.4318, 0.2796

Monochromacy



Original Color

10.0984, 0.3697, 0.2154

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.0002, 0.3335, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0984, 0.3697, 0.2154 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(151, 48, 122)` looks like.

```
.text, #text, p{  
    color:rgb(151, 48, 122)  
}
```

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(151, 48, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 48, 122) }
```

Border

The CSS property to change the border of an element to Yxy 10.0984, 0.3697, 0.2154 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(151, 48, 122) }
```

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

```
.border{ border-color:rgb(151, 48, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 48, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 48, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 48, 122);  
box-shadow:4px 4px 4px 4px rgb(151, 48,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0984, 0.3697, 0.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 48, 122) }
```

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

```
.background{ background-color: rgb(151, 48,  
122) }
```

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