

Converting Colors

$Y_{xy}(10.2355, 0.3931, 0.2399)$

Have a look what the booklet for
Yxy(10.2355, 0.3931, 0.2399)
contains.

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Color

Yxy(10.2296, 0.3944, 0.2402)

Conversions

Conversions Part 1

Format	Color
Hex	97356D
RGB	151, 53, 109
RGB Percent	59%, 21%, 43%
CMY	0.4078, 0.7922, 0.5725
CMYK	0.00, 0.65, 0.28, 0.41
HSL	326°, 48%, 40%
HSV	326°, 65%, 59%
XYZ	16.7966, 10.2296, 15.5616
YIQ	88.6860, 40.4320, 38.1920

Conversions

Conversions Part 2

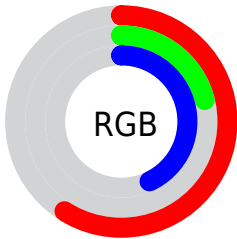
Format	Color
R_{YB}	151, 53, 109
Decimal	9909613
CIE _{Lab}	38.25, 46.74, -11.03
CIE _{LCh}	38, 48.027, 346.723
Yxy	10.2296, 0.3944, 0.2402
Android (android.graphics.Color)	4288099693 (0xFF97356D)
YUV	88.6860, 10.0148, 54.6494
Hunter-Lab	31.9837, 37.7698, -6.4588

Details

The Yxy color **10.2296, 0.3944, 0.2402** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **23.7163, 0.2757, 0.4479**, and the grayscale version is **9.8883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2912, 0.3734, 0.2611**, and **2.8237, 0.4308, 0.2147** is the 20% darker color. If you saturate the color by 10%, you get **8.9295, 0.4134, 0.2325**, and if you desaturate by 10%, it is **11.9748, 0.3768, 0.2512**.

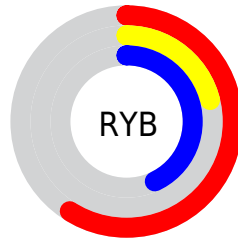
Distribution



Red (59%)

Green (21%)

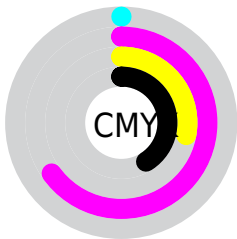
Blue (43%)



Red (59%)

Yellow (21%)

Blue (43%)

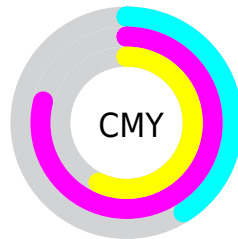


Cyan (0%)

Magenta (65%)

Yellow (28%)

Black (41%)



Cyan (41%)


Magenta (79%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2296, 0.3944, 0.2402 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 10.2296, 0.3944, 0.2402 by changing the saturation by 10% instead.


 10.2296, 0.3944,
0.2402


 10.2296, 0.3944,
0.2402


192.3030, 0.3453,
0.2923


 5.5515, 0.4107,
0.2239


 26.2265, 0.3739,
0.2614


 2.5743, 0.4348,
0.2004

 38.3140, 0.3671,
0.2686


 0.9138, 0.4739,
0.1645

 53.6401, 0.3617,
0.2744

 0.0000, 0.6320,
0.0000

 72.5891, 0.3572,
0.2793

 0.0000, 0.0000,
0.0000

 95.5456, 0.3535,
0.2833

 122.8938, 0.3503,

0.2867

155.0181, 0.3476,
0.2897

■ 10.2296, 0.3944,
0.2402

■ 10.2296, 0.3944,
0.2402

■ 8.9295, 0.4134,
0.2325

■ 11.9748, 0.3768,
0.2512

■ 8.0302, 0.4332,
0.2291

■ 14.2007, 0.3609,
0.2644

■ 7.4781, 0.4528,
0.2307

■ 16.9409, 0.3470,
0.2789

■ 7.2563, 0.4630,
0.2324

■ 20.2256, 0.3351,
0.2937

■ 24.0827, 0.3249,
0.3083

■ 28.5381, 0.3164,
0.3224

■ 33.6161, 0.3092,
0.3357

■ 39.3398, 0.3033,
0.3481

■ 45.7310, 0.2983,
0.3596

Harmonies

Analogous

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



10.2296, 0.2812, 0.1948



10.2296, 0.3944, 0.2402



10.2296, 0.4932, 0.3028

Triad

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



10.2296, 0.3944, 0.2402



10.2296, 0.4092, 0.5169



10.2296, 0.1362, 0.2259

Complementary

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



10.2296, 0.3944, 0.2402



23.7163, 0.2757, 0.4479

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.



10.2296, 0.1570, 0.3186



10.2296, 0.3944, 0.2402



10.2296, 0.3108, 0.5316

Square

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



10.2296, 0.3944, 0.2402



10.2296, 0.4899, 0.4489



10.2296, 0.2179, 0.4476



10.2296, 0.1496, 0.1820

Rectangle

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



10.2296, 0.3944, 0.2402



10.2296, 0.5243, 0.3492



10.2296, 0.2179, 0.4476



10.2296, 0.1390, 0.2509

Sweetspot

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



10.2301, 0.3944, 0.2402



39.9043, 0.3293, 0.3018



7.1516, 0.2355, 0.1470



8.6590, 0.3320, 0.2979



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.



10.2301, 0.3944, 0.2402



15.1564, 0.4226, 0.2303



9.4644, 0.4989, 0.3173



6.2789, 0.3199, 0.3164



6.1788, 0.4619, 0.2318



0.0996, 0.3891, 0.1917

Inverse Universe

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



10.2301, 0.3944, 0.2402



15.1564, 0.4226, 0.2303



24.8685, 0.2423, 0.3447



6.2789, 0.3199, 0.3164



6.1788, 0.4619, 0.2318



0.0996, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 10.2296, 0.3944, 0.2402 looks on a white background.

Color Contrast Check

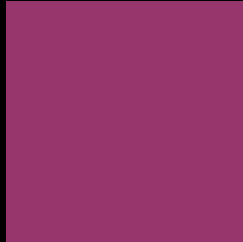
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2296, 0.3944, 0.2402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

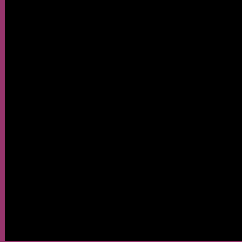
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2296, 0.3944, 0.2402

Background



This preview shows how black text looks on a background with the Yxy color 10.2296, 0.3944, 0.2402.



This preview shows how white text looks on a background with the Yxy color 10.2296, 0.3944, 0.2402.

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

10.2296, 0.3944, 0.2402

Protanopia

10.3899, 0.2379, 0.2279

Deuteranopia

10.5239, 0.2987, 0.2942



Tritanopia

10.2562, 0.4724, 0.3229

Trichromacy



Original Color

10.2296, 0.3944, 0.2402

Protanomaly

9.5588, 0.2813, 0.2251

Deuteranomaly

9.8543, 0.3312, 0.2663

Tritanomaly

10.1267, 0.4458, 0.2916

Monochromacy



Original Color

10.2296, 0.3944, 0.2402

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.4582, 0.3434, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2296, 0.3944, 0.2402 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, 53, 109)` looks like.

```
.text, #text, p{  
    color:rgb(151, 53, 109)  
}
```

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, 53, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 53, 109) }
```

Border

The CSS property to change the border of an element to Yxy 10.2296, 0.3944, 0.2402 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, 53, 109) }
```

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

```
.border{ border-color:rgb(151, 53, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 53, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 53, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 53, 109);  
box-shadow:4px 4px 4px 4px rgb(151, 53,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2296, 0.3944, 0.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 53, 109) }
```

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

```
.background{ background-color: rgb(151, 53,  
109) }
```

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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