

Converting Colors

$Y_{xy}(10.6396, 0.3097, 0.2400)$

Have a look what the booklet for
Yxy(10.6396, 0.3097, 0.2400)
contains.

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Color

Yxy(10.5894, 0.3089, 0.2388)

Conversions

Conversions Part 1

Format	Color
Hex	764D7B
RGB	118, 77, 123
RGB Percent	46%, 30%, 48%
CMY	0.5373, 0.6980, 0.5177
CMYK	0.04, 0.37, 0.00, 0.52
HSL	293°, 23%, 39%
HSV	293°, 37%, 48%
XYZ	13.6979, 10.5894, 20.0569
YIQ	94.5030, 9.6700, 22.9980

Conversions

Conversions Part 2

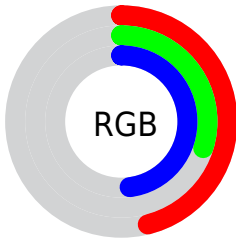
Format	Color
R_{YB}	118, 77, 123
Decimal	7753083
CIE _{Lab}	38.88, 25.59, -19.18
CIE _{LCh}	39, 31.980, 323.157
Yxy	10.5894, 0.3089, 0.2388
Android (android.graphics.Color)	4285943163 (0xFF764D7B)
YUV	94.5030, 14.0490, 20.6069
Hunter-Lab	32.5414, 18.1903, -13.7645

Details

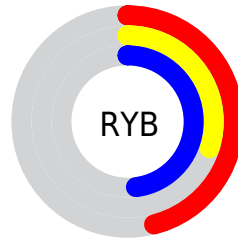
The Yxy color **10.5894, 0.3089, 0.2388** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **16.4937, 0.3134, 0.4343**, and the grayscale version is **11.2835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9713, 0.3105, 0.2599**, and **2.7033, 0.3023, 0.1988** is the 20% darker color. If you saturate the color by 10%, you get **8.9351, 0.3072, 0.2155**, and if you desaturate by 10%, it is **12.5715, 0.3103, 0.2631**.

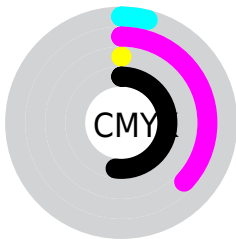
Distribution



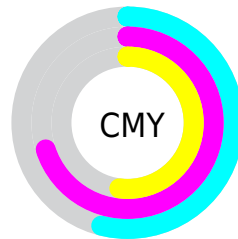
- Red (46%)
- Green (30%)
- Blue (48%)



- Red (46%)
- Yellow (30%)
- Blue (48%)



- Cyan (4%)
- Magenta (37%)
- Yellow (0%)
- Black (52%)




- Cyan (54%)
- Magenta (70%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5894, 0.3089, 0.2388 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 10.5894, 0.3089, 0.2388 by changing the saturation by 10% instead.


 10.5894, 0.3089,
0.2388


 10.5894, 0.3089,
0.2388


194.8285, 0.3125,
0.2914


 5.7915, 0.3069,
0.2225


 26.8984, 0.3108,
0.2601


 2.7187, 0.3034,
0.1992

 39.1782, 0.3113,
0.2674


 0.9867, 0.2958,
0.1638

 54.7207, 0.3117,
0.2733

 0.0000, 0.2925,
0.0000

 73.9104, 0.3119,
0.2782

 0.0000, 0.0000,
0.0000

 97.1316, 0.3121,
0.2823

124.7688, 0.3123,

0.2858

157.2063, 0.3124,
0.2888

■ 10.5894, 0.3089,
0.2388

■ 10.5894, 0.3089,
0.2388

■ 8.9351, 0.3072,
0.2155

■ 12.5715, 0.3103,
0.2631

■ 7.5887, 0.3052,
0.1941

■ 14.8968, 0.3114,
0.2877

■ 6.5305, 0.3030,
0.1755

■ 17.5817, 0.3122,
0.3118

■ 5.7378, 0.3005,
0.1604

■ 20.6410, 0.3129,
0.3350

■ 5.1846, 0.2979,
0.1493

■ 24.0885, 0.3133,
0.3568

■ 4.8116, 0.2953,
0.1416

■ 27.9377, 0.3135,
0.3772

■ 4.7192, 0.2946,
0.1396

■ 32.2010, 0.3136,
0.3961

■ 36.8905, 0.3136,
0.4133

■ 42.0179, 0.3135,
0.4290

Harmonies

Analogous

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



10.5894, 0.2434, 0.2192



10.5894, 0.3089, 0.2388



10.5894, 0.3839, 0.2768

Triad

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



10.5894, 0.3089, 0.2388



10.5894, 0.4305, 0.4317



10.5894, 0.1981, 0.3104

Complementary

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



10.5894, 0.3089, 0.2388



16.4937, 0.3134, 0.4343

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.



10.5894, 0.2391, 0.3877



10.5894, 0.3089, 0.2388



10.5894, 0.3729, 0.4623

Square

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



10.5894, 0.3089, 0.2388



10.5894, 0.4577, 0.3812



10.5894, 0.3028, 0.4492



10.5894, 0.1858, 0.2519

Rectangle

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



10.5894, 0.3089, 0.2388



10.5894, 0.4259, 0.3092



10.5894, 0.3028, 0.4492



10.5894, 0.2087, 0.3353

Sweetspot

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



10.5899, 0.3089, 0.2388



29.5423, 0.3120, 0.3025



9.0998, 0.2498, 0.2348



6.8335, 0.3119, 0.2999



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



10.5899, 0.3089, 0.2388



16.3502, 0.3074, 0.2184



10.5472, 0.3457, 0.2723



4.0564, 0.3121, 0.3078



4.8816, 0.2945, 0.1396



23.0596, 0.2931, 0.1388

Inverse Universe

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



10.1292, 0.3886, 0.3189



15.4277, 0.4160, 0.3166



16.5610, 0.2900, 0.3939



4.0215, 0.3261, 0.3267



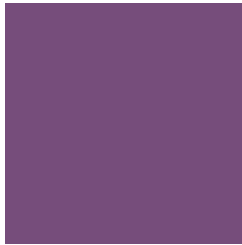
4.3868, 0.6218, 0.3199



20.8609, 0.6297, 0.3243

Previews

White Background



This preview shows how the Yxy color 10.5894, 0.3089, 0.2388 looks on a white background.

Color Contrast Check

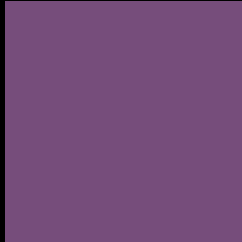
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.5894, 0.3089, 0.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

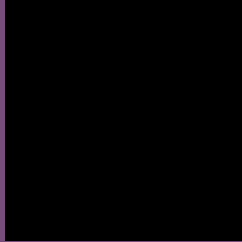
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5894, 0.3089, 0.2388

Background



This preview shows how black text looks on a background with the Yxy color 10.5894, 0.3089, 0.2388.



This preview shows how white text looks on a background with the Yxy color 10.5894, 0.3089, 0.2388.

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

10.5894, 0.3089, 0.2388

Protanopia

10.6255, 0.2434, 0.2345

Deuteranopia

10.5997, 0.2656, 0.2608



Tritanopia

10.5895, 0.3529, 0.3160

Trichromacy



Original Color

10.5894, 0.3089, 0.2388

Protanomaly

10.4091, 0.2647, 0.2350

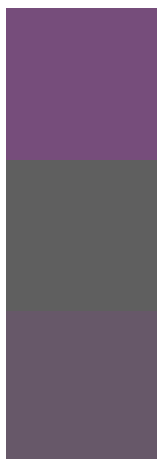
Deuteranomaly

10.4189, 0.2800, 0.2508

Tritanomaly

10.4890, 0.3369, 0.2847

Monochromacy



Original Color

10.5894, 0.3089, 0.2388

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

10.8829, 0.3113, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5894, 0.3089, 0.2388 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(118, 77, 123)` looks like.

```
.text, #text, p{  
    color:rgb(118, 77, 123)  
}
```

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(118, 77, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 77, 123) }
```

Border

The CSS property to change the border of an element to Yxy 10.5894, 0.3089, 0.2388 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(118, 77, 123) }
```

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

```
.border{ border-color:rgb(118, 77, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 77, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 77, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 77, 123);  
box-shadow:4px 4px 4px 4px rgb(118, 77,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5894, 0.3089, 0.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 77, 123) }
```

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

```
.background{ background-color: rgb(118, 77,  
123) }
```

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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