

Converting Colors

$Y_{xy}(10.4867, 0.3077, 0.2313)$

Have a look what the booklet for
Yxy(10.4867, 0.3077, 0.2313)
contains.

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Color

Yxy(10.5316, 0.3077, 0.2310)

Conversions

Conversions Part 1

Format	Color
Hex	784B7E
RGB	120, 75, 126
RGB Percent	47%, 29%, 49%
CMY	0.5294, 0.7059, 0.5059
CMYK	0.05, 0.40, 0.00, 0.51
HSL	293°, 25%, 39%
HSV	293°, 40%, 49%
XYZ	14.0285, 10.5316, 21.0313
YIQ	94.2690, 10.4490, 25.4010

Conversions

Conversions Part 2

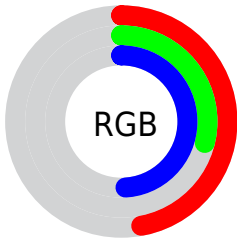
Format	Color
R _{YB}	120, 75, 126
Decimal	7883646
CIE Lab	38.78, 28.12, -21.16
CIE LCh	39, 35.190, 323.032
Yxy	10.5316, 0.3077, 0.2310
Android (android.graphics.Color)	4286073726 (0xFF784B7E)
YUV	94.2690, 15.6434, 22.5661
Hunter-Lab	32.4524, 20.3698, -15.7071

Details

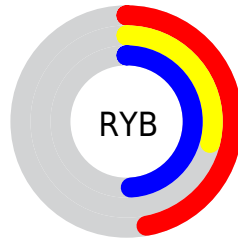
The Yxy color **10.5316, 0.3077, 0.2310** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **17.1780, 0.3138, 0.4446**, and the grayscale version is **11.2211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8061, 0.3097, 0.2538**, and **2.7166, 0.3002, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **8.8839, 0.3057, 0.2080**, and if you desaturate by 10%, it is **12.5204, 0.3094, 0.2552**.

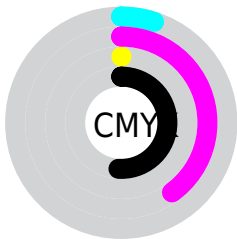
Distribution



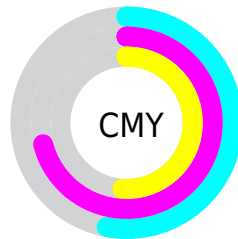
- Red (47%)
- Green (29%)
- Blue (49%)



- Red (47%)
- Yellow (29%)
- Blue (49%)



- Cyan (5%)
- Magenta (40%)
- Yellow (0%)
- Black (51%)





- Cyan (53%)
- Magenta (71%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5316, 0.3077, 0.2310 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 10.5316, 0.3077, 0.2310 by changing the saturation by 10% instead.


 10.5316, 0.3077,
0.2310


 10.5316, 0.3077,
0.2310


194.4252, 0.3122,
0.2878


 5.7528, 0.3053,
0.2136


 26.7907, 0.3101,
0.2539


 2.6954, 0.3010,
0.1891

 39.0398, 0.3107,
0.2617


 0.9748, 0.2922,
0.1525

 54.5478, 0.3112,
0.2681

 0.0000, 0.2877,
0.0000

 73.6991, 0.3115,
0.2734

 0.0000, 0.0000,
0.0000

 96.8781, 0.3117,
0.2779

124.4692, 0.3119,

0.2817

156.8568, 0.3121,
0.2849

■ 10.5316, 0.3077,
0.2310

■ 10.5316, 0.3077,
0.2310

■ 8.8839, 0.3057,
0.2080

■ 12.5204, 0.3094,
0.2552

■ 7.5558, 0.3034,
0.1873

■ 14.8674, 0.3108,
0.2799

■ 6.5255, 0.3008,
0.1695

■ 17.5902, 0.3119,
0.3043

■ 5.7681, 0.2981,
0.1555

■ 20.7047, 0.3127,
0.3279

■ 5.2543, 0.2952,
0.1455

■ 24.2260, 0.3133,
0.3503

■ 4.8990, 0.2924,
0.1385

■ 28.1685, 0.3137,
0.3712

■ 32.5458, 0.3139,
0.3905

■ 37.3707, 0.3140,
0.4082

■ 42.6558, 0.3139,
0.4243

Harmonies

Analogous

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



10.5316, 0.2365, 0.2099



10.5316, 0.3077, 0.2310



10.5316, 0.3906, 0.2717

Triad

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



10.5316, 0.3077, 0.2310



10.5316, 0.4408, 0.4395



10.5316, 0.1880, 0.3078

Complementary

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



10.5316, 0.3077, 0.2310



17.1780, 0.3138, 0.4446

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.



10.5316, 0.2319, 0.3944



10.5316, 0.3077, 0.2310



10.5316, 0.3775, 0.4756

Square

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



10.5316, 0.3077, 0.2310



10.5316, 0.4717, 0.3836



10.5316, 0.3010, 0.4633



10.5316, 0.1751, 0.2441

Rectangle

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



10.5316, 0.3077, 0.2310



10.5316, 0.4373, 0.3063



10.5316, 0.3010, 0.4633



10.5316, 0.1992, 0.3355

Sweetspot

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



10.5321, 0.3077, 0.2310



30.0486, 0.3117, 0.3000



9.0064, 0.2439, 0.2272



6.7222, 0.3116, 0.2976



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.



10.5321, 0.3077, 0.2310



15.7249, 0.3058, 0.2088



10.5353, 0.3480, 0.2659



4.3876, 0.3120, 0.3076



5.0249, 0.2924, 0.1384



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.0614, 0.3973, 0.3171



14.8134, 0.4293, 0.3146



17.2198, 0.2891, 0.4025



4.3518, 0.3261, 0.3265



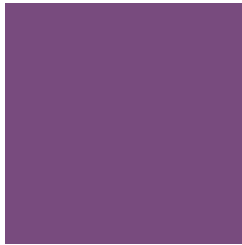
4.5849, 0.6205, 0.3192



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.5316, 0.3077, 0.2310 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 10.5316, 0.3077, 0.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

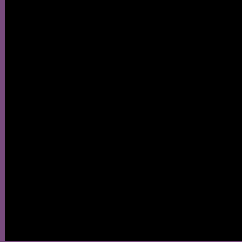
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5316, 0.3077, 0.2310

Background



This preview shows how black text looks on a background with the Yxy color 10.5316, 0.3077, 0.2310.



This preview shows how white text looks on a background with the Yxy color 10.5316, 0.3077, 0.2310.

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

10.5316, 0.3077, 0.2310

Protanopia

10.6432, 0.2356, 0.2250

Deuteranopia

10.5814, 0.2596, 0.2544



Tritanopia

10.5526, 0.3585, 0.3162

Trichromacy



Original Color

10.5316, 0.3077, 0.2310

Protanomaly

10.4424, 0.2565, 0.2258

Deuteranomaly

10.4390, 0.2748, 0.2450

Tritanomaly

10.4785, 0.3405, 0.2831

Monochromacy



Original Color

10.5316, 0.3077, 0.2310

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

10.7406, 0.3099, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5316, 0.3077, 0.2310 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(120, 75, 126)` looks like.

```
.text, #text, p{  
    color:rgb(120, 75, 126)  
}
```

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(120, 75, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 75, 126) }
```

Border

The CSS property to change the border of an element to Yxy 10.5316, 0.3077, 0.2310 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(120, 75, 126) }
```

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

```
.border{ border-color:rgb(120, 75, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 75, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 75, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 75, 126);  
box-shadow:4px 4px 4px 4px rgb(120, 75,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5316, 0.3077, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 75, 126) }
```

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

```
.background{ background-color: rgb(120, 75,  
126) }
```

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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