

Converting Colors

$Y_{xy}(26.7527, 0.3119, 0.2383)$

Have a look what the booklet for
Yxy(26.7527, 0.3119, 0.2383)
contains.

Yxy(26.8488, 0.3125, 0.2391)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.8488, 0.3125, 0.2391)

Conversions

Conversions Part 1

Format	Color
Hex	B777BB
RGB	183, 119, 187
RGB Percent	72%, 47%, 73%
CMY	0.2825, 0.5333, 0.2666
CMYK	0.02, 0.36, 0.00, 0.27
HSL	296°, 33%, 60%
HSV	296°, 36%, 73%
XYZ	35.0910, 26.8488, 50.3513
YIQ	145.8880, 16.3160, 34.7160

Conversions

Conversions Part 2

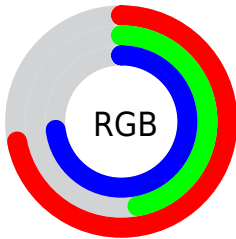
Format	Color
R_{YB}	183, 119, 187
Decimal	12023739
CIE _{Lab}	58.83, 36.13, -25.64
CIE _{LCh}	59, 44.303, 324.643
Yxy	26.8488, 0.3125, 0.2391
Android (android.graphics.Color)	4290213819 (0xFFB777BB)
YUV	145.8880, 20.2682, 32.5472
Hunter-Lab	51.8158, 30.2069, -21.3432

Details

The Yxy color **26.8488, 0.3125, 0.2391** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.0915, 0.3108, 0.4361**, and the grayscale version is **28.6076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.5014, 0.3137, 0.2557**, and **10.6446, 0.3102, 0.2132** is the 20% darker color. If you saturate the color by 10%, you get **22.6919, 0.3120, 0.2157**, and if you desaturate by 10%, it is **31.8849, 0.3128, 0.2638**.

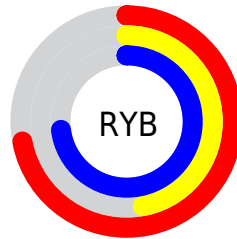
Distribution



Red (72%)

Green (47%)

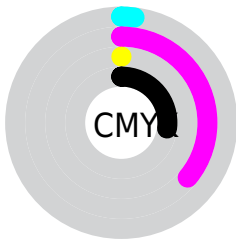
Blue (73%)



Red (72%)

Yellow (47%)

Blue (73%)

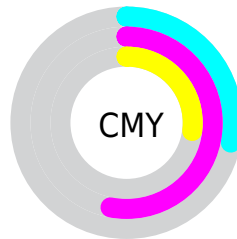


Cyan (2%)

Magenta (36%)

Yellow (0%)

Black (27%)



Cyan (28%)


Magenta (53%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8488, 0.3125, 0.2391 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 26.8488, 0.3125, 0.2391 by changing the saturation by 10% instead.


 26.8488, 0.3125,
0.2391


 26.8488, 0.3125,
0.2391

286.9243, 0.3139,
0.2846


 17.4597, 0.3117,
0.2277


 54.6411, 0.3133,
0.2557

 10.5628, 0.3103,
0.2131


 73.8132, 0.3136,
0.2619

 5.7737, 0.3080,
0.1938


 97.0150, 0.3137,
0.2672

 2.7079, 0.3036,
0.1673

124.6309, 0.3138,
0.2717

 0.9812, 0.2945,
0.1295

157.0455, 0.3138,
0.2755

 0.0000, 0.2935,
0.0000

194.6429, 0.3139,

 0.0000, 0.0000,

0.2789

0.0000

237.8077, 0.3139,
0.2819

■ 26.8488, 0.3125,
0.2391

■ 26.8488, 0.3125,
0.2391

■ 22.6919, 0.3120,
0.2157

■ 31.8849, 0.3128,
0.2638

■ 19.3591, 0.3113,
0.1947

■ 37.8442, 0.3129,
0.2889

■ 16.7946, 0.3104,
0.1768


■ 44.7717, 0.3128,
0.3137

■ 14.9340, 0.3093,
0.1629


■ 52.7087, 0.3126,
0.3376

■ 13.7029, 0.3080,
0.1532

■ 61.6940, 0.3124,
0.3601

 13.0032, 0.3066,
0.1475

 71.7642, 0.3120,
0.3811

 12.8082, 0.3061,
0.1460

 82.9544, 0.3116,
0.4005

 86.2954, 0.3120,
0.4053

 86.4406, 0.3127,
0.4052

Harmonies

Analogous

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



26.8488, 0.2451, 0.2182



26.8488, 0.3125, 0.2391



26.8488, 0.3886, 0.2783

Triad

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



26.8488, 0.3125, 0.2391



26.8488, 0.4297, 0.4352



26.8488, 0.1952, 0.3064

Complementary

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



26.8488, 0.3125, 0.2391



41.0915, 0.3108, 0.4361

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.



26.8488, 0.2353, 0.3848



26.8488, 0.3125, 0.2391



26.8488, 0.3703, 0.4649

Square

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



26.8488, 0.3125, 0.2391



26.8488, 0.4595, 0.3843



26.8488, 0.2990, 0.4493



26.8488, 0.1842, 0.2484

Rectangle

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



26.8488, 0.3125, 0.2391



26.8488, 0.4304, 0.3114



26.8488, 0.2990, 0.4493



26.8488, 0.2054, 0.3314

Sweetspot

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



26.8500, 0.3125, 0.2391



73.9767, 0.3129, 0.3018



21.8139, 0.2484, 0.2284



15.9220, 0.3129, 0.2984



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



26.8500, 0.3125, 0.2391



41.7586, 0.3121, 0.2195



26.2165, 0.3501, 0.2763



9.6667, 0.3128, 0.3063



8.8352, 0.3063, 0.1461



0.3549, 0.3100, 0.1481

Inverse Universe

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



25.1948, 0.3939, 0.3236



38.3867, 0.4228, 0.3224



41.6210, 0.2875, 0.3889



9.5453, 0.3279, 0.3277



7.2998, 0.6326, 0.3258



0.2891, 0.6051, 0.3107

Previews

White Background



This preview shows how the Yxy color 26.8488, 0.3125, 0.2391 looks on a white background.

Color Contrast Check

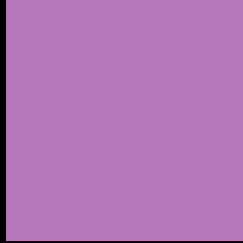
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 26.8488, 0.3125, 0.2391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

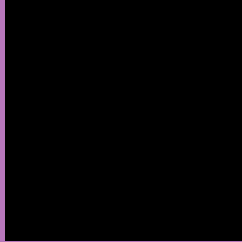
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8488, 0.3125, 0.2391

Background



This preview shows how black text looks on a background with the Yxy color 26.8488, 0.3125, 0.2391.



This preview shows how white text looks on a background with the Yxy color 26.8488, 0.3125, 0.2391.

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

26.8488, 0.3125, 0.2391

Protanopia

27.2055, 0.2437, 0.2352

Deuteranopia

26.9525, 0.2678, 0.2614



Tritanopia

26.7947, 0.3570, 0.3145

Trichromacy



Original Color

26.8488, 0.3125, 0.2391

Protanomaly

26.4630, 0.2648, 0.2349

Deuteranomaly

26.6386, 0.2832, 0.2527

Tritanomaly

26.6512, 0.3415, 0.2851

Monochromacy



Original Color

26.8488, 0.3125, 0.2391

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.5525, 0.3123, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8488, 0.3125, 0.2391 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(183, 119, 187)` looks like.

```
.text, #text, p{  
    color:rgb(183, 119, 187)  
}
```

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(183, 119, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 119, 187) }
```

Border

The CSS property to change the border of an element to Yxy 26.8488, 0.3125, 0.2391 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(183, 119, 187) }
```

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

```
.border{ border-color:rgb(183, 119, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 119, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 119, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 119, 187); box-shadow:4px 4px 4px 4px rgb(183, 119, 187) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8488, 0.3125, 0.2391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 119, 187) }
```

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

```
.background{ background-color: rgb(183,  
119, 187) }
```

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