

Converting Colors

$Y_{xy}(25.8900, 0.3312, 0.2538)$

Have a look what the booklet for
Yxy(25.8900, 0.3312, 0.2538)
contains.

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Color

Yxy(25.7836, 0.3313, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	B974AC
RGB	185, 116, 172
RGB Percent	73%, 45%, 67%
CMY	0.2746, 0.5450, 0.3255
CMYK	0.00, 0.37, 0.07, 0.27
HSL	311°, 33%, 59%
HSV	311°, 37%, 73%
XYZ	33.6967, 25.7836, 42.2302
YIQ	143.0150, 23.1480, 32.0440

Conversions

Conversions Part 2

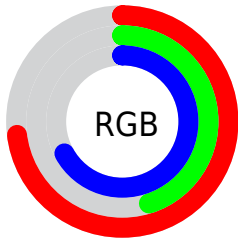
Format	Color
R _{YB}	185, 116, 172
Decimal	12154028
CIE Lab	57.83, 35.64, -18.56
CIE LCh	58, 40.183, 332.493
Yxy	25.7836, 0.3313, 0.2535
Android (android.graphics.Color)	4290344108 (0xFFB974AC)
YUV	143.0150, 14.2896, 36.8208
Hunter-Lab	50.7776, 29.5943, -13.7654

Details

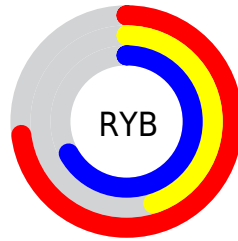
The Yxy color **25.7836, 0.3313, 0.2535** is a light color, and the websafe version is hex **996699**. A complement of this color would be **39.9909, 0.2986, 0.4188**, and the grayscale version is **27.4103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7992, 0.3284, 0.2681**, and **10.0778, 0.3362, 0.2305** is the 20% darker color. If you saturate the color by 10%, you get **21.8037, 0.3377, 0.2342**, and if you desaturate by 10%, it is **30.6185, 0.3254, 0.2739**.

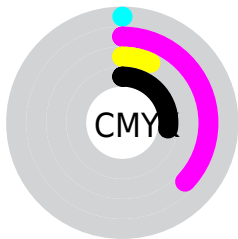
Distribution



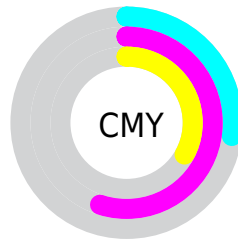
- Red (73%)
- Green (45%)
- Blue (67%)



- Red (73%)
- Yellow (45%)
- Blue (67%)



- Cyan (0%)
- Magenta (37%)
- Yellow (7%)
- Black (27%)




- Cyan (27%)
- Magenta (55%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7836, 0.3313, 0.2535 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 25.7836, 0.3313, 0.2535 by changing the saturation by 10% instead.


 25.7836, 0.3313,
0.2535


 25.7836, 0.3313,
0.2535


281.7182, 0.3222,
0.2924


 16.6618, 0.3335,
0.2435


 52.9256, 0.3281,
0.2679

 9.9937, 0.3362,
0.2304


 71.7147, 0.3268,
0.2732

 5.3948, 0.3396,
0.2127


 94.4949, 0.3258,
0.2777

 2.4807, 0.3439,
0.1878

121.6508, 0.3248,
0.2815

 0.8669, 0.3491,
0.1503

153.5666, 0.3241,
0.2848

 0.0000, 0.3821,
0.0000

190.6269, 0.3234,

 0.0000, 0.0000,

0.2877

0.0000

233.2159, 0.3227,
0.2902

■ 25.7836, 0.3313,
0.2535

■ 25.7836, 0.3313,
0.2535

■ 21.8037, 0.3377,
0.2342

■ 30.6185, 0.3254,
0.2739

■ 18.6246, 0.3447,
0.2169

■ 36.3515, 0.3202,
0.2945

■ 16.1914, 0.3519,
0.2026


■ 43.0267, 0.3157,
0.3147

■ 14.4408, 0.3592,
0.1920


■ 50.6847, 0.3117,
0.3342


■ 13.2989, 0.3664,
0.1860

■ 59.3633, 0.3083,
0.3526


 12.6593, 0.3733,
0.1842

 69.0986, 0.3054,
0.3697

 12.5197, 0.3751,
0.1840

 79.9248, 0.3030,
0.3855

 85.9963, 0.3010,
0.3912

 86.1609, 0.2991,
0.3871

Harmonies

Analogous

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



25.7836, 0.2650, 0.2289



25.7836, 0.3313, 0.2535



25.7836, 0.3990, 0.2939

Triad

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



25.7836, 0.3313, 0.2535



25.7836, 0.4093, 0.4378



25.7836, 0.1982, 0.2924

Complementary

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



25.7836, 0.3313, 0.2535



39.9909, 0.2986, 0.4188

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.



25.7836, 0.2291, 0.3612



25.7836, 0.3313, 0.2535



25.7836, 0.3499, 0.4545

Square

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



25.7836, 0.3313, 0.2535



25.7836, 0.4448, 0.3948



25.7836, 0.2839, 0.4266



25.7836, 0.1947, 0.2453

Rectangle

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



25.7836, 0.3313, 0.2535



25.7836, 0.4320, 0.3264



25.7836, 0.2839, 0.4266



25.7836, 0.2055, 0.3137

Sweetspot

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



25.7848, 0.3313, 0.2535



72.2119, 0.3174, 0.3069



20.6362, 0.2574, 0.2213



15.2197, 0.3180, 0.3042



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



25.7848, 0.3313, 0.2535



40.0657, 0.3367, 0.2371



24.6370, 0.3733, 0.2983



9.1330, 0.3165, 0.3106



8.5363, 0.3743, 0.1836



0.3085, 0.3582, 0.1747

Inverse Universe

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



25.7848, 0.3313, 0.2535



40.0657, 0.3367, 0.2371



41.0555, 0.2753, 0.3626



9.1330, 0.3165, 0.3106



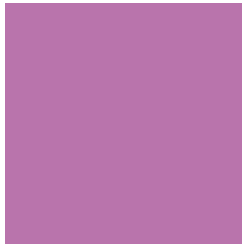
8.5363, 0.3743, 0.1836



0.3085, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 25.7836, 0.3313, 0.2535 looks on a white background.

Color Contrast Check

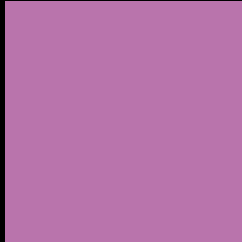
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7836, 0.3313, 0.2535 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 25.7836, 0.3313, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 25.7836, 0.3313, 0.2535.



This preview shows how white text looks on a background with the Yxy color 25.7836, 0.3313, 0.2535.

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

25.7836, 0.3313, 0.2535

Protanopia

26.1678, 0.2560, 0.2516

Deuteranopia

25.8387, 0.2839, 0.2783



Tritanopia

25.8121, 0.3706, 0.3161

Trichromacy



Original Color

25.7836, 0.3313, 0.2535

Protanomaly

25.5457, 0.2799, 0.2512

Deuteranomaly

25.5336, 0.3002, 0.2687

Tritanomaly

25.7264, 0.3566, 0.2922

Monochromacy



Original Color

25.7836, 0.3313, 0.2535

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.3773, 0.3187, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7836, 0.3313, 0.2535 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(185, 116, 172)` looks like.

```
.text, #text, p{  
    color:rgb(185, 116, 172)  
}
```

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(185, 116, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 116, 172) }
```

Border

The CSS property to change the border of an element to Yxy 25.7836, 0.3313, 0.2535 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(185, 116, 172) }
```

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

```
.border{ border-color:rgb(185, 116, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 116, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 116, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 116, 172);  
box-shadow:4px 4px 4px 4px rgb(185, 116,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7836, 0.3313, 0.2535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 116, 172) }
```

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

```
.background{ background-color: rgb(185,  
116, 172) }
```

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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