

Converting Colors

$Y_{xy}(25.8348, 0.3582, 0.2860)$

Have a look what the booklet for
Yxy(25.8348, 0.3582, 0.2860)
contains.

Yxy(25.8348, 0.3582, 0.2860)	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(25.8348, 0.3582, 0.2860)

Conversions

Conversions Part 1

Format	Color
Hex	BA7796
RGB	186, 119, 150
RGB Percent	73%, 47%, 59%
CMY	0.2705, 0.5334, 0.4117
CMYK	0.00, 0.36, 0.19, 0.27
HSL	332°, 33%, 60%
HSV	332°, 36%, 73%
XYZ	32.3567, 25.8348, 32.1399
YIQ	142.5670, 29.9810, 23.8450

Conversions

Conversions Part 2

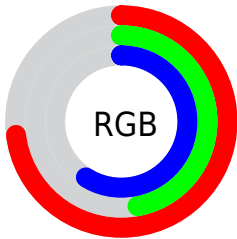
Format	Color
R_{YB}	186, 119, 150
Decimal	12220310
CIE _{Lab}	57.88, 30.68, -5.79
CIE _{LCh}	58, 31.216, 349.318
Yxy	25.8348, 0.3582, 0.2860
Android (android.graphics.Color)	4290410390 (0xFFBA7796)
YUV	142.5670, 3.6645, 38.0907
Hunter-Lab	50.8279, 24.6830, -1.9112

Details

The Yxy color **25.8348, 0.3582, 0.2860** is a light color, and the websafe version is hex **996699**. A complement of this color would be **41.4164, 0.2829, 0.3770**, and the grayscale version is **27.2638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9194, 0.3487, 0.2947**, and **9.9824, 0.3741, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **21.5252, 0.3768, 0.2741**, and if you desaturate by 10%, it is **31.0409, 0.3425, 0.2983**.

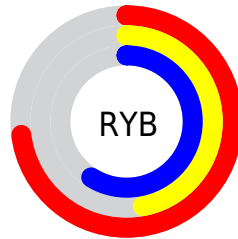
Distribution



Red (73%)

Green (47%)

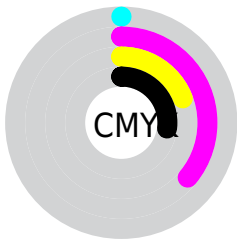
Blue (59%)



Red (73%)

Yellow (47%)

Blue (59%)

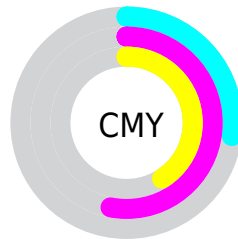


Cyan (0%)

Magenta (36%)

Yellow (19%)

Black (27%)



Cyan (27%)


Magenta (53%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8348, 0.3582, 0.2860 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 25.8348, 0.3582, 0.2860 by changing the saturation by 10% instead.

 25.8348, 0.3582,
0.2860


 25.8348, 0.3582,
0.2860


281.9702, 0.3336,
0.3089


 16.7001, 0.3650,
0.2798


 53.0083, 0.3488,
0.2947

 10.0209, 0.3743,
0.2714


 71.8159, 0.3454,
0.2979

 5.4128, 0.3875,
0.2597


 94.6166, 0.3426,
0.3005

 2.4915, 0.4078,
0.2422

121.7948, 0.3402,
0.3027

 0.8724, 0.4428,
0.2130

153.7348, 0.3382,
0.3046

 0.0000, 0.7792,
0.0000

190.8211, 0.3364,

 0.0000, 0.0000,

0.3062

0.0000

233.4381, 0.3349,
0.3077

■ 25.8348, 0.3582,
0.2860

■ 25.8348, 0.3582,
0.2860

■ 21.5252, 0.3768,
0.2741

■ 31.0409, 0.3425,
0.2983

■ 18.0569, 0.3983,
0.2635

■ 37.1871, 0.3293,
0.3105

■ 15.3743, 0.4224,
0.2553

■ 44.3186, 0.3184,
0.3223

■ 13.4137, 0.4485,
0.2507

■ 52.4767, 0.3093,
0.3333

■ 12.1010, 0.4754,
0.2509

■ 61.7000, 0.3019,
0.3435

■ 11.3414, 0.5016,
0.2564

■ 72.0255, 0.2958,
0.3530

■ 11.1155, 0.5118,
0.2593

■ 83.4880, 0.2907,
0.3616

■ 87.6734, 0.2857,
0.3564

■ 88.2510, 0.2806,
0.3452

Harmonies

Analogous

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



25.8348, 0.3040, 0.2579



25.8348, 0.3582, 0.2860



25.8348, 0.4018, 0.3242

Triad

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



25.8348, 0.3582, 0.2860



25.8348, 0.3655, 0.4245



25.8348, 0.2169, 0.2781

Complementary

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



25.8348, 0.3582, 0.2860



41.4164, 0.2829, 0.3770

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.



25.8348, 0.2302, 0.3240



25.8348, 0.3582, 0.2860



25.8348, 0.3141, 0.4167

Square

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



25.8348, 0.3582, 0.2860



25.8348, 0.4046, 0.4033



25.8348, 0.2648, 0.3776



25.8348, 0.2260, 0.2513

Rectangle

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



25.8348, 0.3582, 0.2860



25.8348, 0.4168, 0.3521



25.8348, 0.2648, 0.3776



25.8348, 0.2188, 0.2916

Sweetspot

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



25.8360, 0.3582, 0.2860



73.4276, 0.3237, 0.3163



23.6807, 0.2833, 0.2319



15.7873, 0.3252, 0.3147



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.



25.8360, 0.3582, 0.2860



40.6796, 0.3722, 0.2768



25.5034, 0.3969, 0.3324



9.0795, 0.3217, 0.3185



7.4908, 0.5087, 0.2576



0.2766, 0.4481, 0.2242

Inverse Universe

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



25.8360, 0.3582, 0.2860



40.6796, 0.3722, 0.2768



41.6616, 0.2623, 0.3256



9.0795, 0.3217, 0.3185



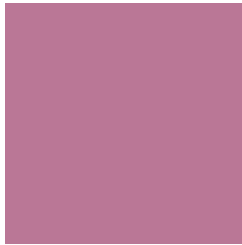
7.4908, 0.5087, 0.2576



0.2766, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 25.8348, 0.3582, 0.2860 looks on a white background.

Color Contrast Check

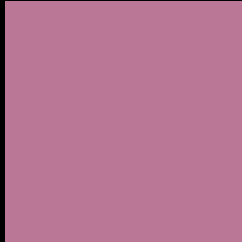
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8348, 0.3582, 0.2860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

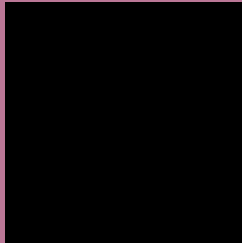
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8348, 0.3582, 0.2860

Background



This preview shows how black text looks on a background with the Yxy color 25.8348, 0.3582, 0.2860.



This preview shows how white text looks on a background with the Yxy color 25.8348, 0.3582, 0.2860.

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

25.8348, 0.3582, 0.2860

Protanopia

25.9365, 0.2864, 0.2902

Deuteranopia

25.9186, 0.3169, 0.3099



Tritanopia

25.7754, 0.3774, 0.3149

Trichromacy



Original Color

25.8348, 0.3582, 0.2860

Protanomaly

25.5712, 0.3102, 0.2873

Deuteranomaly

25.6252, 0.3314, 0.3001

Tritanomaly

25.8531, 0.3702, 0.3037

Monochromacy



Original Color

25.8348, 0.3582, 0.2860

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.4964, 0.3282, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8348, 0.3582, 0.2860 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(186, 119, 150)` looks like.

```
.text, #text, p{  
    color:rgb(186, 119, 150)  
}
```

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(186, 119, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 119, 150) }
```

Border

The CSS property to change the border of an element to Yxy 25.8348, 0.3582, 0.2860 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(186, 119, 150) }
```

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

```
.border{ border-color:rgb(186, 119, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 119, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 119, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 119, 150);  
box-shadow:4px 4px 4px 4px rgb(186, 119,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8348, 0.3582, 0.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 119, 150) }
```

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

```
.background{ background-color: rgb(186,  
119, 150) }
```

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