

Converting Colors

$Y_{xy}(25.8273, 0.3403, 0.2308)$

Have a look what the booklet for
Yxy(25.8273, 0.3403, 0.2308)
contains.

Yxy(25.8159, 0.3407, 0.2313)	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(25.8159, 0.3407, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	CB67B7
RGB	203, 103, 183
RGB Percent	80%, 40%, 72%
CMY	0.2039, 0.5961, 0.2824
CMYK	0.00, 0.49, 0.10, 0.20
HSL	312°, 49%, 60%
HSV	312°, 49%, 80%
XYZ	38.0263, 25.8159, 47.7700
YIQ	142.0200, 33.9200, 46.0800

Conversions

Conversions Part 2

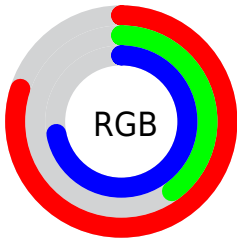
Format	Color
R _Y B	203, 103, 183
Decimal	13330359
CIE Lab	57.86, 50.06, -24.62
CIE LCh	58, 55.785, 333.807
Yxy	25.8159, 0.3407, 0.2313
Android (android.graphics.Color)	4291520439 (0xFFCB67B7)
YUV	142.0200, 20.2031, 53.4795
Hunter-Lab	50.8093, 44.6750, -20.1768

Details

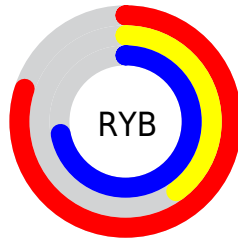
The Yxy color **25.8159, 0.3407, 0.2313** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **47.0302, 0.2942, 0.4532**, and the grayscale version is **26.9678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6059, 0.3304, 0.2475**, and **10.0960, 0.3478, 0.2041** is the 20% darker color. If you saturate the color by 10%, you get **22.0902, 0.3482, 0.2147**, and if you desaturate by 10%, it is **30.5292, 0.3337, 0.2501**.

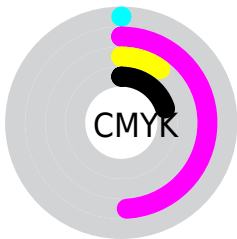
Distribution



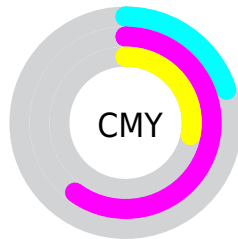
- Red (80%)
- Green (40%)
- Blue (72%)



- Red (80%)
- Yellow (40%)
- Blue (72%)



- Cyan (0%)
- Magenta (49%)
- Yellow (10%)
- Black (20%)





- Cyan (20%)
- Magenta (60%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8159, 0.3407, 0.2313 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 25.8159, 0.3407, 0.2313 by changing the saturation by 10% instead.


 25.8159, 0.3407,
0.2313


 25.8159, 0.3407,
0.2313


281.8772, 0.3273,
0.2804


 16.6860, 0.3438,
0.2191


 52.9778, 0.3360,
0.2491


 10.0108, 0.3476,
0.2036


 71.7786, 0.3342,
0.2558

 5.4061, 0.3522,
0.1832


 94.5717, 0.3326,
0.2615

 2.4875, 0.3580,
0.1555

 121.7416, 0.3313,
0.2664

 0.8704, 0.3644,
0.1167

153.6728, 0.3301,
0.2706

 0.0000, 0.3930,
0.0000

190.7495, 0.3290,

 0.0000, 0.0000,

0.2743

0.0000

233.3561, 0.3281,
0.2775

■ 25.8159, 0.3407,
0.2313

■ 25.8159, 0.3407,
0.2313

■ 22.0902, 0.3482,
0.2147

■ 30.5292, 0.3337,
0.2501

■ 19.2762, 0.3560,
0.2013

■ 36.2914, 0.3273,
0.2702

■ 17.2931, 0.3639,
0.1919


■ 43.1631, 0.3217,
0.2907

■ 16.0438, 0.3716,
0.1871

■ 51.1994, 0.3167,
0.3109

■ 15.3624, 0.3790,
0.1864

■ 60.4515, 0.3124,
0.3304

 15.3192, 0.3795,
0.1864

 70.9678, 0.3088,
0.3488

 82.7937, 0.3056,
0.3661

 89.1498, 0.3032,
0.3717

 89.3621, 0.3009,
0.3671

Harmonies

Analogous

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



25.8159, 0.2503, 0.1992



25.8159, 0.3407, 0.2313



25.8159, 0.4356, 0.2827

Triad

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



25.8159, 0.3407, 0.2313



25.8159, 0.4345, 0.4735



25.8159, 0.1608, 0.2712

Complementary

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



25.8159, 0.3407, 0.2313



47.0302, 0.2942, 0.4532

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.



25.8159, 0.1963, 0.3676



25.8159, 0.3407, 0.2313



25.8159, 0.3531, 0.5053

Square

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



25.8159, 0.3407, 0.2313



25.8159, 0.4887, 0.4112



25.8159, 0.2658, 0.4672



25.8159, 0.1592, 0.2132

Rectangle

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



25.8159, 0.3407, 0.2313



25.8159, 0.4802, 0.3234



25.8159, 0.2658, 0.4672



25.8159, 0.1686, 0.2996

Sweetspot

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



25.8171, 0.3407, 0.2313



77.4934, 0.3196, 0.2990



18.2246, 0.2361, 0.1808



15.9899, 0.3207, 0.2946



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



25.8171, 0.3407, 0.2313



36.7012, 0.3486, 0.2139



24.0924, 0.4068, 0.2907



11.3637, 0.3168, 0.3107



9.7614, 0.3786, 0.1859



0.5136, 0.3653, 0.1786

Inverse Universe

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



25.8171, 0.3407, 0.2313



36.7012, 0.3486, 0.2139



48.6169, 0.2649, 0.3734



11.3637, 0.3168, 0.3107



9.7614, 0.3786, 0.1859



0.5136, 0.3653, 0.1786

Previews

White Background



This preview shows how the Yxy color 25.8159, 0.3407, 0.2313 looks on a white background.

Color Contrast Check

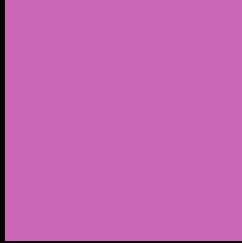
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8159, 0.3407, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

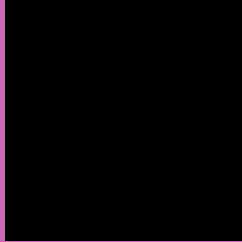
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8159, 0.3407, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 25.8159, 0.3407, 0.2313.



This preview shows how white text looks on a background with the Yxy color 25.8159, 0.3407, 0.2313.

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

25.8159, 0.3407, 0.2313

Protanopia

26.1893, 0.2335, 0.2212

Deuteranopia

26.0522, 0.2714, 0.2663



Tritanopia

25.7072, 0.4036, 0.3171

Trichromacy



Original Color

25.8159, 0.3407, 0.2313

Protanomaly

25.0404, 0.2643, 0.2221

Deuteranomaly

25.1910, 0.2936, 0.2501

Tritanomaly

25.5863, 0.3811, 0.2833

Monochromacy



Original Color

25.8159, 0.3407, 0.2313

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

25.7652, 0.3227, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8159, 0.3407, 0.2313 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(203, 103, 183)` looks like.

```
.text, #text, p{  
    color:rgb(203, 103, 183)  
}
```

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(203, 103, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 103, 183) }
```

Border

The CSS property to change the border of an element to Yxy 25.8159, 0.3407, 0.2313 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(203, 103, 183) }
```

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

```
.border{ border-color:rgb(203, 103, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 103, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 103, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 103, 183);  
box-shadow:4px 4px 4px 4px rgb(203, 103,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8159, 0.3407, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 103, 183) }
```

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

```
.background{ background-color: rgb(203,  
103, 183) }
```

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