

Converting Colors

$Y_{xy}(25.0862, 0.3085, 0.2274)$

Have a look what the booklet for
Yxy(25.0862, 0.3085, 0.2274)
contains.

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Color

Yxy(25.0862, 0.3085, 0.2274)

Conversions

Conversions Part 1

Format	Color
Hex	B570BD
RGB	181, 112, 189
RGB Percent	71%, 44%, 74%
CMY	0.2903, 0.5607, 0.2588
CMYK	0.04, 0.41, 0.00, 0.26
HSL	294°, 37%, 59%
HSV	294°, 41%, 74%
XYZ	34.0329, 25.0862, 51.1984
YIQ	141.4090, 16.4070, 38.5750

Conversions

Conversions Part 2

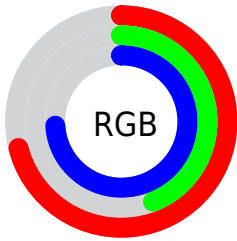
Format	Color
RYB	181, 112, 189
Decimal	11890877
CIELab	57.16, 39.71, -29.39
CIELCh	57, 49.400, 323.497
Yxy	25.0862, 0.3085, 0.2274
Android (android.graphics.Color)	4290080957 (0xFFB570BD)
YUV	141.4090, 23.4624, 34.7213
Hunter-Lab	50.0861, 33.6380, -25.5463

Details

The Yxy color $25.0862, 0.3085, 0.2274$ is a light color, and the websafe version is hex $CC66CC$. A complement of this color would be $41.5661, 0.3129, 0.4504$, and the grayscale version is $26.7070, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.7412, 0.3100, 0.2454$, and $9.5988, 0.3057, 0.1984$ is the 20% darker color. If you saturate the color by 10%, you get $21.1079, 0.3067, 0.2042$, and if you desaturate by 10%, it is $29.9455, 0.3100, 0.2522$.

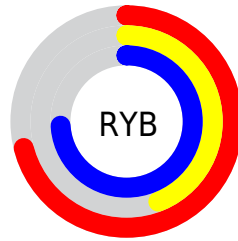
Distribution



Red (71%)

Green (44%)

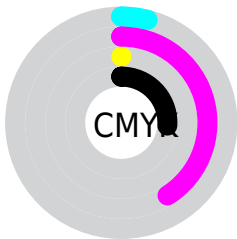
Blue (74%)



Red (71%)

Yellow (44%)

Blue (74%)

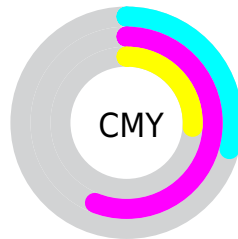


Cyan (4%)

Magenta (41%)

Yellow (0%)

Black (26%)



Cyan (29%)


Magenta (56%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0862, 0.3085, 0.2274 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 25.0862, 0.3085, 0.2274 by changing the saturation by 10% instead.


 25.0862, 0.3085,
0.2274


 25.0862, 0.3085,
0.2274


278.2670, 0.3124,
0.2787


 16.1413, 0.3069,
0.2146


 51.7970, 0.3104,
0.2461

 9.6242, 0.3044,
0.1983

 70.3317, 0.3109,
0.2531

 5.1505, 0.3004,
0.1769


 92.8318, 0.3113,
0.2590

 2.3358, 0.2933,
0.1479

 119.6817, 0.3117,
0.2641

 0.7926, 0.2795,
0.1072

151.2658, 0.3119,
0.2685

 0.0000, 0.2586,
0.0000

187.9684, 0.3121,

 0.0000, 0.0000,

0.2723

0.0000

230.1740, 0.3123,
0.2757

■ 25.0862, 0.3085,
0.2274

■ 25.0862, 0.3085,
0.2274

■ 21.1079, 0.3067,
0.2042

■ 29.9455, 0.3100,
0.2522

■ 17.9521, 0.3046,
0.1836

■ 35.7331, 0.3112,
0.2776

■ 15.5584, 0.3023,
0.1664

■ 42.4965, 0.3120,
0.3028

■ 13.8566, 0.2998,
0.1534

■ 50.2793, 0.3127,
0.3272

■ 12.7635, 0.2972,
0.1447

■ 59.1224, 0.3131,
0.3504

■ 12.1429, 0.2947,
0.1397

■ 69.0643, 0.3133,
0.3720

■ 80.1417, 0.3134,
0.3920

■ 87.0312, 0.3139,
0.4023

■ 87.2985, 0.3152,
0.4021

Harmonies

Analogous

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



25.0862, 0.2339, 0.2052



25.0862, 0.3085, 0.2274



25.0862, 0.3957, 0.2697

Triad

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



25.0862, 0.3085, 0.2274



25.0862, 0.4453, 0.4444



25.0862, 0.1820, 0.3049

Complementary

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



25.0862, 0.3085, 0.2274



41.5661, 0.3129, 0.4504

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.



25.0862, 0.2268, 0.3964



25.0862, 0.3085, 0.2274



25.0862, 0.3784, 0.4831

Square

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



25.0862, 0.3085, 0.2274



25.0862, 0.4791, 0.3858



25.0862, 0.2985, 0.4703



25.0862, 0.1694, 0.2390

Rectangle

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



25.0862, 0.3085, 0.2274



25.0862, 0.4446, 0.3057



25.0862, 0.2985, 0.4703



25.0862, 0.1933, 0.3340

Sweetspot

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



25.0873, 0.3085, 0.2274



74.2281, 0.3119, 0.2992



20.7939, 0.2404, 0.2201



15.6091, 0.3118, 0.2959



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.



25.0873, 0.3085, 0.2274



38.4137, 0.3069, 0.2063



24.9318, 0.3516, 0.2649



9.6444, 0.3121, 0.3063



8.1887, 0.2951, 0.1399



0.3355, 0.3017, 0.1436

Inverse Universe

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



23.7685, 0.4038, 0.3181



35.8217, 0.4361, 0.3160



41.7844, 0.2875, 0.4040



9.5521, 0.3272, 0.3266



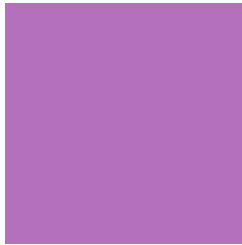
7.3181, 0.6261, 0.3223



0.2921, 0.5818, 0.2979

Previews

White Background



This preview shows how the Yxy color 25.0862, 0.3085, 0.2274 looks on a white background.

Color Contrast Check

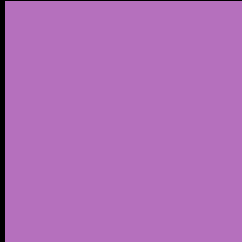
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0862, 0.3085, 0.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

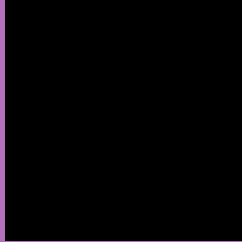
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0862, 0.3085, 0.2274

Background



This preview shows how black text looks on a background with the Yxy color 25.0862, 0.3085, 0.2274.



This preview shows how white text looks on a background with the Yxy color 25.0862, 0.3085, 0.2274.

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

25.0862, 0.3085, 0.2274

Protanopia

25.3268, 0.2320, 0.2198

Deuteranopia

25.4711, 0.2578, 0.2524



Tritanopia

25.0208, 0.3610, 0.3142

Trichromacy



Original Color

25.0862, 0.3085, 0.2274

Protanomaly

24.7142, 0.2547, 0.2213

Deuteranomaly

24.7437, 0.2741, 0.2411

Tritanomaly

24.9961, 0.3413, 0.2801

Monochromacy



Original Color

25.0862, 0.3085, 0.2274

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.5018, 0.3125, 0.2860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0862, 0.3085, 0.2274 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(181, 112, 189)` looks like.

```
.text, #text, p{  
    color:rgb(181, 112, 189)  
}
```

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(181, 112, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 112, 189) }
```

Border

The CSS property to change the border of an element to Yxy 25.0862, 0.3085, 0.2274 is called "border". The border property can be set on classes, ids or directly on the HTML element.

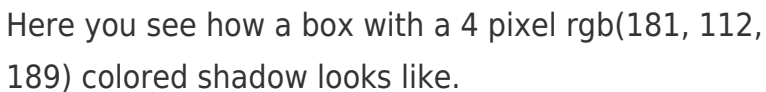
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 112, 189) }
```

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

```
.border{ border-color:rgb(181, 112, 189) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 112, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 112, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 112, 189);  
box-shadow:4px 4px 4px 4px rgb(181, 112,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0862, 0.3085, 0.2274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 112, 189) }
```

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

```
.background{ background-color: rgb(181,  
112, 189) }
```

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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