

Converting Colors

$Y_{xy}(25.0315, 0.3164, 0.2478)$

Have a look what the booklet for
Yxy(25.0315, 0.3164, 0.2478)
contains.

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Color

Yxy(25.0873, 0.3165, 0.2474)

Conversions

Conversions Part 1

Format	Color
Hex	B075B0
RGB	176, 117, 176
RGB Percent	69%, 46%, 69%
CMY	0.3100, 0.5411, 0.3098
CMYK	0.00, 0.34, 0.00, 0.31
HSL	300°, 27%, 57%
HSV	300°, 34%, 69%
XYZ	32.0943, 25.0873, 44.2222
YIQ	141.3670, 16.2250, 30.8570

Conversions

Conversions Part 2

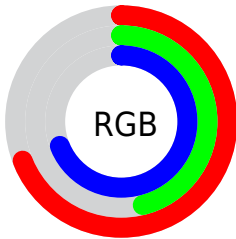
Format	Color
R _Y B	176, 117, 176
Decimal	11564464
CIE Lab	57.16, 32.83, -21.97
CIE LCh	57, 39.505, 326.206
Yxy	25.0873, 0.3165, 0.2474
Android (android.graphics.Color)	4289754544 (0xFFB075B0)
YUV	141.3670, 17.0741, 30.3731
Hunter-Lab	50.0872, 26.7245, -17.2863

Details

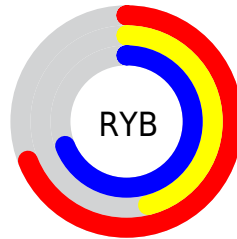
The Yxy color **25.0873, 0.3165, 0.2474** is a light color, and the websafe version is hex **996699**. A complement of this color would be **36.1203, 0.3082, 0.4268**, and the grayscale version is **26.7150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7315, 0.3158, 0.2626**, and **9.5819, 0.3160, 0.2225** is the 20% darker color. If you saturate the color by 10%, you get **21.3631, 0.3176, 0.2244**, and if you desaturate by 10%, it is **29.5848, 0.3154, 0.2717**.

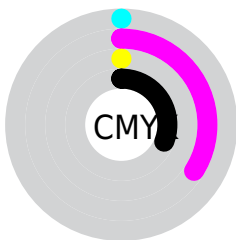
Distribution



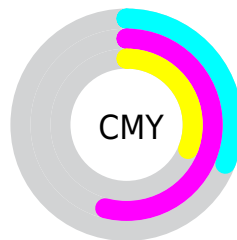
- Red (69%)
- Green (46%)
- Blue (69%)



- Red (69%)
- Yellow (46%)
- Blue (69%)



- Cyan (0%)
- Magenta (34%)
- Yellow (0%)
- Black (31%)




- Cyan (31%)
- Magenta (54%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0873, 0.3165, 0.2474 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 25.0873, 0.3165, 0.2474 by changing the saturation by 10% instead.


 25.0873, 0.3165,
0.2474


 25.0873, 0.3165,
0.2474


278.2724, 0.3155,
0.2895

 16.1421, 0.3164,
0.2366


 51.7988, 0.3164,
0.2630

 9.6248, 0.3160,
0.2225


 70.3339, 0.3163,
0.2687

 5.1509, 0.3150,
0.2035


 92.8345, 0.3161,
0.2736

 2.3361, 0.3125,
0.1768

119.6848, 0.3160,
0.2777

 0.7927, 0.3062,
0.1367

151.2694, 0.3159,
0.2813

 0.0000, 0.2930,
0.0000

187.9726, 0.3158,

 0.0000, 0.0000,

0.2844

0.0000

230.1788, 0.3156,
0.2871

■ 25.0873, 0.3165,
0.2474

■ 25.0873, 0.3165,
0.2474

■ 21.3631, 0.3176,
0.2244

■ 29.5848, 0.3154,
0.2717

■ 18.3655, 0.3185,
0.2036

■ 34.8922, 0.3142,
0.2963

■ 16.0480, 0.3193,
0.1859

■ 41.0477, 0.3131,
0.3207

■ 14.3575, 0.3200,
0.1719

■ 48.0863, 0.3120,
0.3441


■ 13.2329, 0.3204,
0.1621


■ 56.0408, 0.3110,
0.3663


 12.6007, 0.3207,
0.1564

 64.9425, 0.3100,
0.3869

 12.3504, 0.3208,
0.1541

 74.8211, 0.3091,
0.4060

 83.8902, 0.3084,
0.4207

 83.8916, 0.3085,
0.4207

Harmonies

Analogous

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



25.0873, 0.2535, 0.2270



25.0873, 0.3165, 0.2474



25.0873, 0.3854, 0.2848

Triad

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



25.0873, 0.3165, 0.2474



25.0873, 0.4185, 0.4295



25.0873, 0.2032, 0.3058

Complementary

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



25.0873, 0.3165, 0.2474



36.1203, 0.3082, 0.4268

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.



25.0873, 0.2394, 0.3760



25.0873, 0.3165, 0.2474



25.0873, 0.3632, 0.4533

Square

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



25.0873, 0.3165, 0.2474



25.0873, 0.4467, 0.3840



25.0873, 0.2976, 0.4354



25.0873, 0.1940, 0.2535

Rectangle

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



25.0873, 0.3165, 0.2474



25.0873, 0.4224, 0.3161



25.0873, 0.2976, 0.4354



25.0873, 0.2124, 0.3282

Sweetspot

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



25.0884, 0.3165, 0.2474



66.8309, 0.3139, 0.3045



19.8775, 0.2539, 0.2330



14.1628, 0.3140, 0.3011



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



25.0884, 0.3165, 0.2474



40.5065, 0.3173, 0.2307



24.0807, 0.3498, 0.2848



8.6465, 0.3138, 0.3066



9.0624, 0.3208, 0.1541



0.2852, 0.3208, 0.1541

Inverse Universe

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



23.2445, 0.3892, 0.3292



36.6594, 0.4139, 0.3292



36.8933, 0.2872, 0.3782



8.5054, 0.3287, 0.3290



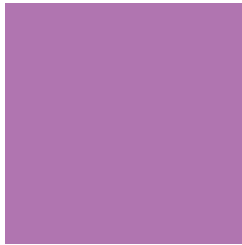
6.7725, 0.6400, 0.3299



0.2131, 0.6396, 0.3297

Previews

White Background



This preview shows how the Yxy color 25.0873, 0.3165, 0.2474 looks on a white background.

Color Contrast Check

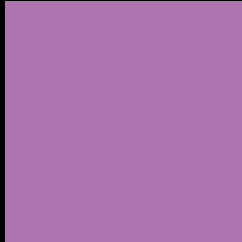
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0873, 0.3165, 0.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

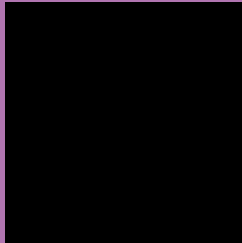
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0873, 0.3165, 0.2474

Background



This preview shows how black text looks on a background with the Yxy color 25.0873, 0.3165, 0.2474.



This preview shows how white text looks on a background with the Yxy color 25.0873, 0.3165, 0.2474.

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

25.0873, 0.3165, 0.2474

Protanopia

25.3910, 0.2508, 0.2450

Deuteranopia

25.3316, 0.2745, 0.2687



Tritanopia

24.9625, 0.3558, 0.3140

Trichromacy



Original Color

25.0873, 0.3165, 0.2474

Protanomaly

24.8660, 0.2713, 0.2445

Deuteranomaly

24.8839, 0.2890, 0.2591

Tritanomaly

24.8917, 0.3409, 0.2879

Monochromacy



Original Color

25.0873, 0.3165, 0.2474

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.7056, 0.3143, 0.2948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0873, 0.3165, 0.2474 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(176, 117, 176)` looks like.

```
.text, #text, p{  
    color:rgb(176, 117, 176)  
}
```

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(176, 117, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 117, 176) }
```

Border

The CSS property to change the border of an element to Yxy 25.0873, 0.3165, 0.2474 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(176, 117, 176) }
```

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

```
.border{ border-color:rgb(176, 117, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 117, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 117, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 117, 176);  
box-shadow:4px 4px 4px 4px rgb(176, 117,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0873, 0.3165, 0.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 117, 176) }
```

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

```
.background{ background-color: rgb(176,  
117, 176) }
```

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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