

Converting Colors

$Y_{xy}(24.9481, 0.3186, 0.2501)$

Have a look what the booklet for
Yxy(24.9481, 0.3186, 0.2501)
contains.

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Color

Yxy(25.0087, 0.3187, 0.2498)

Conversions

Conversions Part 1

Format	Color
Hex	B075AE
RGB	176, 117, 174
RGB Percent	69%, 46%, 68%
CMY	0.3098, 0.5412, 0.3176
CMYK	0.00, 0.34, 0.01, 0.31
HSL	302°, 27%, 57%
HSV	302°, 34%, 69%
XYZ	31.9066, 25.0087, 43.1996
YIQ	141.1390, 16.8670, 30.2350

Conversions

Conversions Part 2

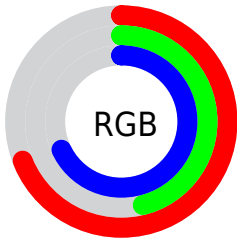
Format	Color
R _Y B	176, 117, 174
Decimal	11564462
CIE Lab	57.08, 32.48, -20.95
CIE LCh	57, 38.653, 327.172
Yxy	25.0087, 0.3187, 0.2498
Android (android.graphics.Color)	4289754542 (0xFFB075AE)
YUV	141.1390, 16.2005, 30.5731
Hunter-Lab	50.0087, 26.3716, -16.2111

Details

The Yxy color **25.0087, 0.3187, 0.2498** is a light color, and the websafe version is hex **996699**. A complement of this color would be **36.1632, 0.3067, 0.4235**, and the grayscale version is **26.6245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6184, 0.3174, 0.2646**, and **9.5324, 0.3193, 0.2257** is the 20% darker color. If you saturate the color by 10%, you get **21.2638, 0.3206, 0.2273**, and if you desaturate by 10%, it is **29.5269, 0.3168, 0.2734**.

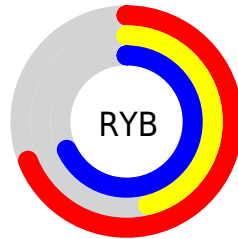
Distribution



Red (69%)

Green (46%)

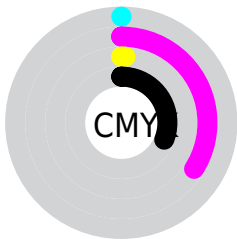
Blue (68%)



Red (69%)

Yellow (46%)

Blue (68%)

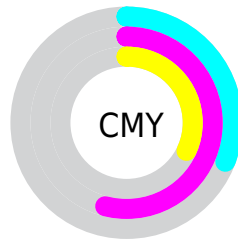


Cyan (0%)

Magenta (34%)

Yellow (1%)

Black (31%)



Cyan (31%)


Magenta (54%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0087, 0.3187, 0.2498 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 25.0087, 0.3187, 0.2498 by changing the saturation by 10% instead.


 25.0087, 0.3187,
0.2498


 25.0087, 0.3187,
0.2498


277.8813, 0.3165,
0.2908


 16.0835, 0.3189,
0.2392


 51.6713, 0.3181,
0.2650

 9.5833, 0.3190,
0.2254


 70.1776, 0.3178,
0.2706

 5.1235, 0.3187,
0.2068


 92.6464, 0.3175,
0.2753

 2.3199, 0.3174,
0.1804

119.4620, 0.3173,
0.2793

 0.7842, 0.3130,
0.1404

151.0089, 0.3171,
0.2828

 0.0000, 0.3024,
0.0000

187.6715, 0.3168,

 0.0000, 0.0000,

0.2858

0.0000

229.8341, 0.3166,
0.2884

■ 25.0087, 0.3187,
0.2498

■ 25.0087, 0.3187,
0.2498

■ 21.2638, 0.3206,
0.2273

■ 29.5269, 0.3168,
0.2734

■ 18.2457, 0.3225,
0.2070

■ 34.8550, 0.3150,
0.2973

■ 15.9078, 0.3244,
0.1896


■ 41.0314, 0.3133,
0.3209


■ 14.1968, 0.3260,
0.1759


■ 48.0908, 0.3117,
0.3436


■ 13.0517, 0.3275,
0.1663

■ 56.0663, 0.3103,
0.3650


 12.3990, 0.3287,
0.1609

 64.9890, 0.3090,
0.3849

 12.1358, 0.3294,
0.1588

 74.8888, 0.3079,
0.4033

 83.9939, 0.3070,
0.4174

 84.0178, 0.3067,
0.4167

Harmonies

Analogous

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



25.0087, 0.2564, 0.2291



25.0087, 0.3187, 0.2498



25.0087, 0.3860, 0.2871

Triad

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



25.0087, 0.3187, 0.2498



25.0087, 0.4152, 0.4290



25.0087, 0.2045, 0.3044

Complementary

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



25.0087, 0.3187, 0.2498



36.1632, 0.3067, 0.4235

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.



25.0087, 0.2394, 0.3728



25.0087, 0.3187, 0.2498



25.0087, 0.3604, 0.4509

Square

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



25.0087, 0.3187, 0.2498



25.0087, 0.4438, 0.3849



25.0087, 0.2960, 0.4316



25.0087, 0.1962, 0.2538

Rectangle

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



25.0087, 0.3187, 0.2498



25.0087, 0.4215, 0.3180



25.0087, 0.2960, 0.4316



25.0087, 0.2133, 0.3261

Sweetspot

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



25.0098, 0.3187, 0.2498



66.7904, 0.3144, 0.3053



19.7775, 0.2555, 0.2318



14.1529, 0.3146, 0.3020



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.



25.0098, 0.3187, 0.2498



40.3456, 0.3201, 0.2335



23.9830, 0.3535, 0.2889



8.6417, 0.3143, 0.3073



8.9063, 0.3293, 0.1588



0.2818, 0.3268, 0.1574

Inverse Universe

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



25.0098, 0.3187, 0.2498



40.3456, 0.3201, 0.2335



36.9847, 0.2850, 0.3732



8.6417, 0.3143, 0.3073



8.9063, 0.3293, 0.1588



0.2818, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 25.0087, 0.3187, 0.2498 looks on a white background.

Color Contrast Check

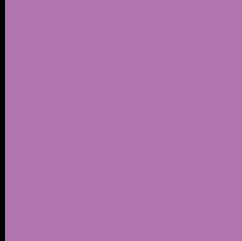
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0087, 0.3187, 0.2498 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 25.0087, 0.3187, 0.2498

Background



This preview shows how black text looks on a background with the Yxy color 25.0087, 0.3187, 0.2498.



This preview shows how white text looks on a background with the Yxy color 25.0087, 0.3187, 0.2498.

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

25.0087, 0.3187, 0.2498

Protanopia

25.3767, 0.2530, 0.2478

Deuteranopia

25.3366, 0.2772, 0.2717



Tritanopia

25.0464, 0.3582, 0.3156

Trichromacy



Original Color

25.0087, 0.3187, 0.2498

Protanomaly

24.8702, 0.2740, 0.2473

Deuteranomaly

24.8065, 0.2909, 0.2619

Tritanomaly

24.9732, 0.3433, 0.2894

Monochromacy



Original Color

25.0087, 0.3187, 0.2498

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

25.6725, 0.3154, 0.2963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0087, 0.3187, 0.2498 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(176, 117, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 117, 174) }
```

Border

The CSS property to change the border of an element to Yxy 25.0087, 0.3187, 0.2498 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, 174) }
```

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

```
.border{ border-color:rgb(176, 117, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 117, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 117, 174);  
box-shadow:4px 4px 4px 4px rgb(176, 117,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0087, 0.3187, 0.2498 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, 174) }
```

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

```
.background{ background-color: rgb(176,  
117, 174) }
```

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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