

Converting Colors

$Y_{xy}(25.4016, 0.2987, 0.2322)$

Have a look what the booklet for
Yxy(25.4016, 0.2987, 0.2322)
contains.

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Color

Yxy(25.4016, 0.2987, 0.2322)

Conversions

Conversions Part 1

Format	Color
Hex	AC76BD
RGB	172, 118, 189
RGB Percent	67%, 46%, 74%
CMY	0.3255, 0.5372, 0.2589
CMYK	0.09, 0.38, 0.00, 0.26
HSL	286°, 35%, 60%
HSV	286°, 38%, 74%
XYZ	32.6764, 25.4016, 51.3174
YIQ	142.2400, 9.3930, 33.5290

Conversions

Conversions Part 2

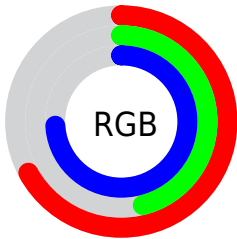
Format	Color
RYB	172, 118, 189
Decimal	11302589
CIELab	57.46, 33.61, -28.98
CIELCh	57, 44.380, 319.231
Yxy	25.4016, 0.2987, 0.2322
Android (android.graphics.Color)	4289492669 (0xFFAC76BD)
YUV	142.2400, 23.0527, 26.0995
Hunter-Lab	50.4000, 27.5289, -25.0892

Details

The Yxy color **25.4016, 0.2987, 0.2322** is a light color, and the websafe version is hex **996699**. A complement of this color would be **42.8477, 0.3208, 0.4370**, and the grayscale version is **27.0550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.2736, 0.3018, 0.2496**, and **9.7351, 0.2916, 0.2040** is the 20% darker color. If you saturate the color by 10%, you get **20.8855, 0.2935, 0.2064**, and if you desaturate by 10%, it is **30.8289, 0.3033, 0.2587**.

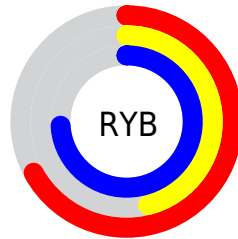
Distribution



Red (67%)

Green (46%)

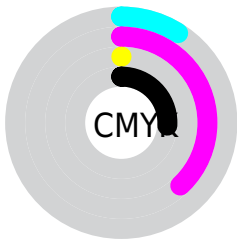
Blue (74%)



Red (67%)

Yellow (46%)

Blue (74%)

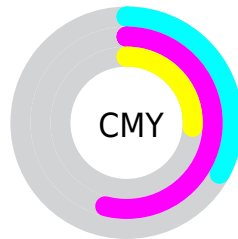


Cyan (9%)

Magenta (38%)

Yellow (0%)

Black (26%)



Cyan (33%)


Magenta (54%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4016, 0.2987, 0.2322 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 25.4016, 0.2987, 0.2322 by changing the saturation by 10% instead.


 25.4016, 0.2987,
0.2322


 25.4016, 0.2987,
0.2322


279.8321, 0.3076,
0.2814


 16.3765, 0.2958,
0.2198


 52.3080, 0.3024,
0.2502

 9.7910, 0.2917,
0.2040


 70.9581, 0.3037,
0.2569

 5.2606, 0.2854,
0.1831


 93.5853, 0.3047,
0.2626

 2.4010, 0.2752,
0.1545

120.5740, 0.3055,
0.2675

 0.8264, 0.2569,
0.1141

152.3087, 0.3061,
0.2717

 0.0000, 0.2225,
0.0000

189.1736, 0.3067,

 0.0000, 0.0000,

0.2753

0.0000

231.5533, 0.3072,
0.2785

■ 25.4016, 0.2987,
0.2322

■ 25.4016, 0.2987,
0.2322

■ 20.8855, 0.2935,
0.2064

■ 30.8289, 0.3033,
0.2587

■ 17.2238, 0.2877,
0.1824

■ 37.2136, 0.3073,
0.2851

■ 14.3579, 0.2815,
0.1613


■ 44.6023, 0.3106,
0.3106

■ 12.2208, 0.2751,
0.1441


■ 53.0379, 0.3133,
0.3348

■ 10.7339, 0.2687,
0.1313


■ 62.5605, 0.3155,
0.3572


 9.7822, 0.2624,
0.1229

 73.2082, 0.3173,
0.3780

 9.5824, 0.2609,
0.1211

 85.0173, 0.3187,
0.3968

 88.6291, 0.3211,
0.4008

 89.2946, 0.3240,
0.4001

Harmonies

Analogous

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



25.4016, 0.2338, 0.2148



25.4016, 0.2987, 0.2322



25.4016, 0.3766, 0.2691

Triad

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



25.4016, 0.2987, 0.2322



25.4016, 0.4400, 0.4284



25.4016, 0.1982, 0.3193

Complementary

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



25.4016, 0.2987, 0.2322



42.8477, 0.3208, 0.4370

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.



25.4016, 0.2440, 0.4003



25.4016, 0.2987, 0.2322



25.4016, 0.3834, 0.4649

Square

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



25.4016, 0.2987, 0.2322



25.4016, 0.4633, 0.3748



25.4016, 0.3116, 0.4591



25.4016, 0.1819, 0.2552

Rectangle

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



25.4016, 0.2987, 0.2322



25.4016, 0.4226, 0.3014



25.4016, 0.3116, 0.4591



25.4016, 0.2103, 0.3459

Sweetspot

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



25.4027, 0.2987, 0.2322



74.8959, 0.3095, 0.3015



25.0634, 0.2490, 0.2454



15.7172, 0.3090, 0.2981



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.



25.4027, 0.2987, 0.2322



38.7821, 0.2945, 0.2111



26.7246, 0.3365, 0.2581



9.5782, 0.3100, 0.3061



6.4848, 0.2617, 0.1215



0.2823, 0.2766, 0.1297

Inverse Universe

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



25.5240, 0.3811, 0.3056



39.1772, 0.4039, 0.3006



42.0121, 0.2955, 0.4126



9.5728, 0.3252, 0.3235



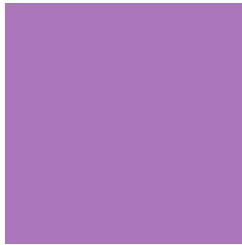
7.4181, 0.5936, 0.3043



0.3012, 0.5243, 0.2662

Previews

White Background



This preview shows how the Yxy color 25.4016, 0.2987, 0.2322 looks on a white background.

Color Contrast Check

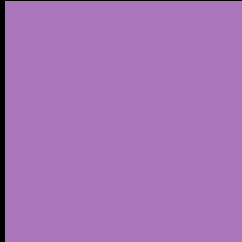
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4016, 0.2987, 0.2322 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

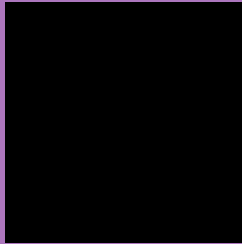
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4016, 0.2987, 0.2322

Background



This preview shows how black text looks on a background with the Yxy color 25.4016, 0.2987, 0.2322.



This preview shows how white text looks on a background with the Yxy color 25.4016, 0.2987, 0.2322.

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

25.4016, 0.2987, 0.2322

Protanopia

25.6331, 0.2382, 0.2279

Deuteranopia

25.4711, 0.2578, 0.2524



Tritanopia

25.5348, 0.3452, 0.3153

Trichromacy



Original Color

25.4016, 0.2987, 0.2322

Protanomaly

25.0120, 0.2564, 0.2274

Deuteranomaly

24.9965, 0.2714, 0.2435

Tritanomaly

25.4264, 0.3277, 0.2818

Monochromacy



Original Color

25.4016, 0.2987, 0.2322

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.0506, 0.3080, 0.2888

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4016, 0.2987, 0.2322 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(172, 118, 189)` looks like.

```
.text, #text, p{  
    color:rgb(172, 118, 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(172, 118, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 118, 189) }
```

Border

The CSS property to change the border of an element to Yxy 25.4016, 0.2987, 0.2322 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(172, 118, 189) }
```

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

```
.border{ border-color:rgb(172, 118, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 118, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 118, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 118, 189);  
box-shadow:4px 4px 4px 4px rgb(172, 118,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4016, 0.2987, 0.2322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 118, 189) }
```

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

```
.background{ background-color: rgb(172,  
118, 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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