

Converting Colors

$Y_{xy}(16.4872, 0.4008, 0.2280)$

Have a look what the booklet for
Yxy(16.4872, 0.4008, 0.2280)
contains.

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Color

Yxy(16.4872, 0.4008, 0.2280)

Conversions

Conversions Part 1

Format	Color
Hex	C4388D
RGB	196, 56, 141
RGB Percent	77%, 22%, 55%
CMY	0.2314, 0.7803, 0.4472
CMYK	0.00, 0.71, 0.28, 0.23
HSL	324°, 56%, 49%
HSV	324°, 71%, 77%
XYZ	28.9828, 16.4872, 26.8423
YIQ	107.5500, 56.1550, 56.1150

Conversions

Conversions Part 2

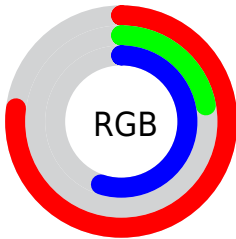
Format	Color
R_{YB}	196, 56, 141
Decimal	12859533
CIE _{Lab}	47.61, 62.37, -15.74
CIE _{LCh}	48, 64.326, 345.838
Yxy	16.4872, 0.4008, 0.2280
Android (android.graphics.Color)	4291049613 (0xFFC4388D)
YUV	107.5500, 16.4909, 77.5707
Hunter-Lab	40.6044, 56.3525, -10.7717

Details

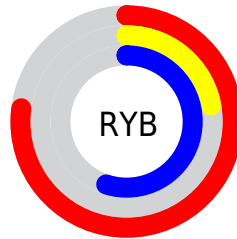
The Yxy color **16.4872, 0.4008, 0.2280** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **41.4652, 0.2771, 0.4740**, and the grayscale version is **14.8089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2348, 0.3803, 0.2480**, and **6.1586, 0.4271, 0.2126** is the 20% darker color. If you saturate the color by 10%, you get **14.7233, 0.4187, 0.2229**, and if you desaturate by 10%, it is **19.0122, 0.3836, 0.2374**.

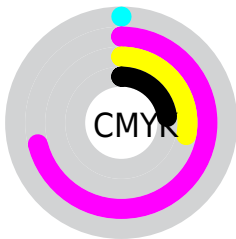
Distribution



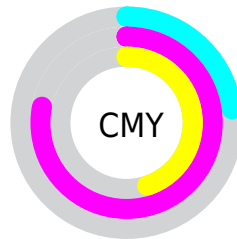
- Red (77%)
- Green (22%)
- Blue (55%)



- Red (77%)
- Yellow (22%)
- Blue (55%)



- Cyan (0%)
- Magenta (71%)
- Yellow (28%)
- Black (23%)





- Cyan (23%)
- Magenta (78%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4872, 0.4008, 0.2280 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 16.4872, 0.4008, 0.2280 by changing the saturation by 10% instead.


 16.4872, 0.4008,
0.2280


 16.4872, 0.4008,
0.2280


232.1997, 0.3518,
0.2825


 9.8696, 0.4149,
0.2131


 37.4420, 0.3817,
0.2487


 5.3126, 0.4342,
0.1934


 52.5479, 0.3749,
0.2563


 2.4318, 0.4621,
0.1661

 71.2520, 0.3693,
0.2625

 0.8422, 0.5055,
0.1266

 93.9387, 0.3646,
0.2678

 0.0000, 0.6241,
0.0000

 120.9925, 0.3607,
0.2722

 0.0000, 1.0000,
0.0000

152.7976, 0.3573,

 0.0000, 0.0000,

0.2761

0.0000

189.7386, 0.3543,
0.2795

■ 16.4872, 0.4008,
0.2280

■ 16.4872, 0.4008,
0.2280

■ 14.7233, 0.4187,
0.2229

■ 19.0122, 0.3836,
0.2374

■ 13.6251, 0.4367,
0.2229

■ 22.3736, 0.3677,
0.2500

■ 13.0647, 0.4519,
0.2263

■ 26.6405, 0.3535,
0.2647

■ 31.8738, 0.3411,
0.2804

■ 38.1294, 0.3304,
0.2963

■ 45.4588, 0.3213,
0.3120

■ 53.9099, 0.3137,
0.3270

■ 63.5277, 0.3073,
0.3410

■ 74.3550, 0.3020,
0.3542

Harmonies

Analogous

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



16.4872, 0.2727, 0.1799



16.4872, 0.4008, 0.2280



16.4872, 0.5155, 0.2945

Triad

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



16.4872, 0.4008, 0.2280



16.4872, 0.4169, 0.5349



16.4872, 0.1189, 0.2137

Complementary

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



16.4872, 0.4008, 0.2280



41.4652, 0.2771, 0.4740

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.



16.4872, 0.1405, 0.3184



16.4872, 0.4008, 0.2280



16.4872, 0.3086, 0.5643

Square

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



16.4872, 0.4008, 0.2280



16.4872, 0.5082, 0.4523



16.4872, 0.2065, 0.4712



16.4872, 0.1327, 0.1667

Rectangle

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



16.4872, 0.4008, 0.2280



16.4872, 0.5506, 0.3436



16.4872, 0.2065, 0.4712



16.4872, 0.1218, 0.2413

Sweetspot

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



16.4881, 0.4008, 0.2280



69.1810, 0.3303, 0.2965



10.1114, 0.2191, 0.1247



14.0851, 0.3331, 0.2920



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.



16.4881, 0.4008, 0.2280



25.3604, 0.4294, 0.2222



15.0385, 0.5266, 0.3123



10.1783, 0.3196, 0.3151



8.4131, 0.4495, 0.2250



0.3767, 0.4136, 0.2052

Inverse Universe

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



16.4881, 0.4008, 0.2280



25.3604, 0.4294, 0.2222



43.5978, 0.2404, 0.3544



10.1783, 0.3196, 0.3151



8.4131, 0.4495, 0.2250



0.3767, 0.4136, 0.2052

Previews

White Background



This preview shows how the Yxy color 16.4872, 0.4008, 0.2280 looks on a white background.

Color Contrast Check

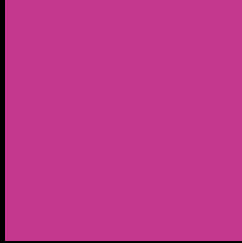
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.4872, 0.4008, 0.2280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

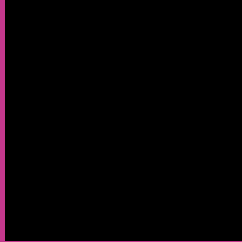
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4872, 0.4008, 0.2280

Background



This preview shows how black text looks on a background with the Yxy color 16.4872, 0.4008, 0.2280.



This preview shows how white text looks on a background with the Yxy color 16.4872, 0.4008, 0.2280.

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

16.4872, 0.4008, 0.2280

Protanopia

16.7725, 0.2219, 0.2061

Deuteranopia

16.7072, 0.2918, 0.2870



Tritanopia

16.5240, 0.4973, 0.3247

Trichromacy



Original Color

16.4872, 0.4008, 0.2280



Protanomaly

14.7842, 0.2680, 0.2035



Deuteranomaly

15.1890, 0.3278, 0.2529



Tritanomaly

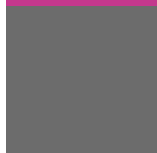
16.2914, 0.4646, 0.2873

Monochromacy



Original Color

16.4872, 0.4008, 0.2280



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.0763, 0.3458, 0.2738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4872, 0.4008, 0.2280 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(196, 56, 141)` looks like.

```
.text, #text, p{  
    color:rgb(196, 56, 141)  
}
```

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(196, 56, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 56, 141) }
```

Border

The CSS property to change the border of an element to Yxy 16.4872, 0.4008, 0.2280 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(196, 56, 141) }
```

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

```
.border{ border-color:rgb(196, 56, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 56, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 56, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 56, 141);  
box-shadow:4px 4px 4px 4px rgb(196, 56,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4872, 0.4008, 0.2280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 56, 141) }
```

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

```
.background{ background-color: rgb(196, 56,  
141) }
```

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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