

Converting Colors

$Yxy(13.0444, 0.4828, 0.2433)$

Have a look what the booklet for
Yxy(13.0444, 0.4828, 0.2433)
contains.

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Color

Yxy(13.0464, 0.4819, 0.2428)

Conversions

Conversions Part 1

Format	Color
Hex	C6006A
RGB	198, 0, 106
RGB Percent	78%, 0%, 42%
CMY	0.2235, 1.0000, 0.5843
CMYK	0.00, 1.00, 0.46, 0.22
HSL	328°, 100%, 39%
HSV	328°, 100%, 78%
XYZ	25.8940, 13.0464, 14.7927
YIQ	71.2860, 83.9820, 74.9420

Conversions

Conversions Part 2

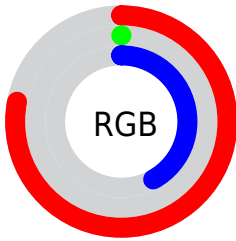
Format	Color
RYB	198, 0, 106
Decimal	12976234
CIELab	42.83, 70.54, -1.38
CIElCh	43, 70.556, 358.880
Yxy	13.0464, 0.4819, 0.2428
Android (android.graphics.Color)	4291166314 (0xFFC6006A)
YUV	71.2860, 17.1140, 111.1282
Hunter-Lab	36.1198, 64.7555, 1.0019

Details

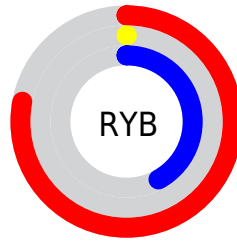
The Yxy color **13.0464, 0.4819, 0.2428** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **41.1683, 0.2759, 0.5133**, and the grayscale version is **6.3128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5107, 0.4360, 0.2622**, and **5.7190, 0.5209, 0.2643** is the 20% darker color. If you saturate the color by 10%, you get **13.0489, 0.4819, 0.2428**, and if you desaturate by 10%, it is **13.7440, 0.4600, 0.2373**.

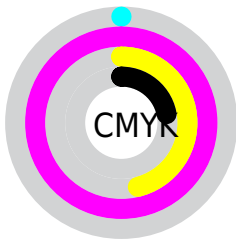
Distribution



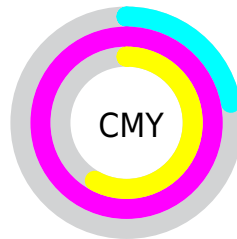
- Red (78%)
- Green (0%)
- Blue (42%)



- Red (78%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0464, 0.4819, 0.2428 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 13.0464, 0.4819, 0.2428 by changing the saturation by 10% instead.


 13.0464, 0.4819,
0.2428


 13.0464, 0.4819,
0.2428


211.2148, 0.3816,
0.2936


 7.4605, 0.5135,
0.2270


 31.3871, 0.4409,
0.2634


 3.7517, 0.5585,
0.2046

 44.9107, 0.4270,
0.2705

 1.5357, 0.6266,
0.1711

 61.8490, 0.4157,
0.2762

 0.3136, 0.7794,
0.0921

 82.5864, 0.4065,
0.2809

 0.0000, 1.0000,
0.0000

 107.5073, 0.3987,
0.2848

 0.0000, 0.0000,
0.0000

 136.9961, 0.3921,

0.2882

171.4371, 0.3865,
0.2911

■ 13.0464, 0.4819,
0.2428

■ 13.0464, 0.4819,
0.2428

■ 13.0489, 0.4819,
0.2428

■ 13.7440, 0.4600,
0.2373

■ 14.9647, 0.4376,
0.2364

■ 16.8882, 0.4154,
0.2406

■ 19.6073, 0.3944,
0.2491

■ 23.2007, 0.3753,
0.2605

■ 27.7372, 0.3585,
0.2738

■ 33.2789, 0.3440,
0.2879

■ 39.8824, 0.3316,
0.3021

■ 47.6003, 0.3213,
0.3159

Harmonies

Analogous

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



13.0464, 0.3257, 0.1805



13.0464, 0.4819, 0.2428



13.0464, 0.5809, 0.3178

Triad

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



13.0464, 0.4819, 0.2428



13.0464, 0.3667, 0.5948



13.0464, 0.0991, 0.1662

Complementary

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



13.0464, 0.4819, 0.2428



41.1683, 0.2759, 0.5133

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.



13.0464, 0.1026, 0.2495



13.0464, 0.4819, 0.2428



13.0464, 0.2463, 0.5861

Square

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



13.0464, 0.4819, 0.2428



13.0464, 0.4870, 0.5041



13.0464, 0.1488, 0.4162



13.0464, 0.1291, 0.1381

Rectangle

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



13.0464, 0.4819, 0.2428



13.0464, 0.5847, 0.3716



13.0464, 0.1488, 0.4162



13.0464, 0.0965, 0.1861

Sweetspot

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



13.0489, 0.4819, 0.2428



58.4387, 0.3446, 0.2872



6.2071, 0.1925, 0.0834



11.5692, 0.3505, 0.2811



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.



13.0489, 0.4819, 0.2428



23.0524, 0.4848, 0.2445



12.0297, 0.6353, 0.3273



10.7303, 0.3207, 0.3167



8.5019, 0.4791, 0.2413



0.4171, 0.4374, 0.2183

Inverse Universe

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



13.0489, 0.4819, 0.2428



23.0524, 0.4848, 0.2445



44.0314, 0.2290, 0.3442



10.7303, 0.3207, 0.3167



8.5019, 0.4791, 0.2413



0.4171, 0.4374, 0.2183

Previews

White Background



This preview shows how the Yxy color 13.0464, 0.4819, 0.2428 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 13.0464, 0.4819, 0.2428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

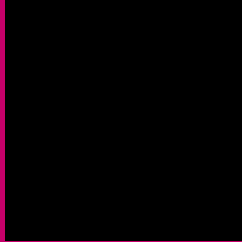
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0464, 0.4819, 0.2428

Background



This preview shows how black text looks on a background with the Yxy color 13.0464, 0.4819, 0.2428.



This preview shows how white text looks on a background with the Yxy color 13.0464, 0.4819, 0.2428.

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

13.0464, 0.4819, 0.2428

Protanopia

13.8289, 0.2393, 0.2293

Deuteranopia

13.7092, 0.3394, 0.3332



Tritanopia

13.4324, 0.5822, 0.3290

Trichromacy



Original Color

13.0464, 0.4819, 0.2428



Protanomaly

10.0702, 0.3042, 0.2030



Deuteranomaly

10.7174, 0.3980, 0.2660



Tritanomaly

12.9130, 0.5559, 0.2973

Monochromacy



Original Color

13.0464, 0.4819, 0.2428



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.2988, 0.3910, 0.2494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0464, 0.4819, 0.2428 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(198, 0, 106)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 106)  
}
```

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(198, 0, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 106) }
```

Border

The CSS property to change the border of an element to Yxy 13.0464, 0.4819, 0.2428 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(198, 0, 106) }
```

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

```
.border{ border-color:rgb(198, 0, 106) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 106);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0464, 0.4819, 0.2428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 106) }
```

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

```
.background{ background-color: rgb(198, 0,  
106) }
```

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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