

Converting Colors

$Y_{xy}(13.4661, 0.4686, 0.2375)$

Have a look what the booklet for
Yxy(13.4661, 0.4686, 0.2375)
contains.

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Color

Yxy(13.4639, 0.4696, 0.2381)

Conversions

Conversions Part 1

Format	Color
Hex	C70770
RGB	199, 7, 112
RGB Percent	78%, 3%, 44%
CMY	0.2196, 0.9725, 0.5608
CMYK	0.00, 0.96, 0.44, 0.22
HSL	327°, 93%, 40%
HSV	327°, 96%, 78%
XYZ	26.5546, 13.4639, 16.5288
YIQ	76.3780, 80.7270, 73.3590

Conversions

Conversions Part 2

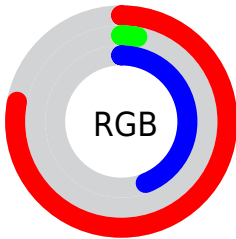
Format	Color
RYB	199, 7, 112
Decimal	13043568
CIELab	43.45, 70.60, -4.18
CIELCh	43, 70.723, 356.609
Yxy	13.4639, 0.4696, 0.2381
Android (android.graphics.Color)	4291233648 (0xFFC70770)
YUV	76.3780, 17.5616, 107.5395
Hunter-Lab	36.6932, 64.9661, -1.0225

Details

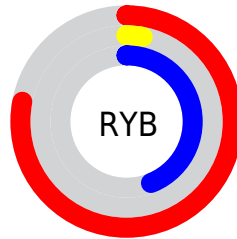
The Yxy color **13.4639, 0.4696, 0.2381** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **41.7022, 0.2758, 0.5105**, and the grayscale version is **7.2576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0851, 0.4257, 0.2569**, and **5.8591, 0.5075, 0.2569** is the 20% darker color. If you saturate the color by 10%, you get **13.2430, 0.4771, 0.2402**, and if you desaturate by 10%, it is **14.3033, 0.4483, 0.2341**.

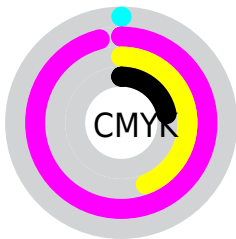
Distribution



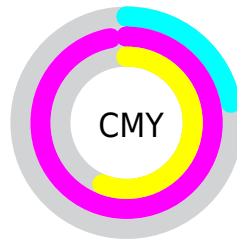
- Red (78%)
- Green (3%)
- Blue (44%)



- Red (78%)
- Yellow (3%)
- Blue (44%)



- Cyan (0%)
- Magenta (96%)
- Yellow (44%)
- Black (22%)





- Cyan (22%)
- Magenta (97%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4639, 0.4696, 0.2381 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 13.4639, 0.4696, 0.2381 by changing the saturation by 10% instead.


 13.4639, 0.4696,
0.2381


 13.4639, 0.4696,
0.2381


213.8697, 0.3773,
0.2906


 7.7488, 0.4983,
0.2223


 32.1347, 0.4321,
0.2591


 3.9346, 0.5392,
0.2002

 45.8592, 0.4193,
0.2664


 1.6371, 0.6007,
0.1677

 63.0222, 0.4089,
0.2723

 0.3824, 0.7197,
0.0982

 84.0082, 0.4004,
0.2772

 0.0000, 1.0000,
0.0000

 109.2016, 0.3932,
0.2814

 0.0000, 0.0000,
0.0000

 138.9867, 0.3871,

0.2849

173.7479, 0.3819,
0.2879

■ 13.4639, 0.4696,
0.2381

■ 13.4639, 0.4696,
0.2381

■ 13.2430, 0.4771,
0.2402

■ 14.3033, 0.4483,
0.2341

■ 15.7733, 0.4265,
0.2353

■ 17.9884, 0.4054,
0.2414

■ 21.0368, 0.3856,
0.2513

■ 24.9940, 0.3678,
0.2637

■ 29.9273, 0.3522,
0.2776

■ 35.8972, 0.3388,
0.2921

■ 42.9595, 0.3275,
0.3065

■ 51.1659, 0.3180,
0.3204

Harmonies

Analogous

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



13.4639, 0.3145, 0.1776



13.4639, 0.4696, 0.2381



13.4639, 0.5754, 0.3124

Triad

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



13.4639, 0.4696, 0.2381



13.4639, 0.3762, 0.5881



13.4639, 0.0992, 0.1712

Complementary

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



13.4639, 0.4696, 0.2381



41.7022, 0.2758, 0.5105

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.



13.4639, 0.1056, 0.2598



13.4639, 0.4696, 0.2381



13.4639, 0.2559, 0.5906

Square

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



13.4639, 0.4696, 0.2381



13.4639, 0.4939, 0.4950



13.4639, 0.1556, 0.4306



13.4639, 0.1266, 0.1399

Rectangle

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



13.4639, 0.4696, 0.2381



13.4639, 0.5850, 0.3656



13.4639, 0.1556, 0.4306



13.4639, 0.0975, 0.1927

Sweetspot

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



13.4647, 0.4696, 0.2381



59.5747, 0.3425, 0.2878



6.6244, 0.1964, 0.0871



11.7853, 0.3483, 0.2816



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.



13.4647, 0.4696, 0.2381



23.1371, 0.4799, 0.2417



12.3341, 0.6293, 0.3271



10.7324, 0.3206, 0.3164



8.5331, 0.4744, 0.2387



0.4185, 0.4339, 0.2164

Inverse Universe

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



13.4647, 0.4696, 0.2381



23.1371, 0.4799, 0.2417



44.5855, 0.2292, 0.3437



10.7324, 0.3206, 0.3164



8.5331, 0.4744, 0.2387



0.4185, 0.4339, 0.2164

Previews

White Background



This preview shows how the Yxy color 13.4639, 0.4696, 0.2381 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 13.4639, 0.4696, 0.2381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

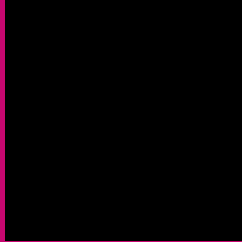
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4639, 0.4696, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 13.4639, 0.4696, 0.2381.



This preview shows how white text looks on a background with the Yxy color 13.4639, 0.4696, 0.2381.

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

13.4639, 0.4696, 0.2381

Protanopia

14.1585, 0.2307, 0.2186

Deuteranopia

13.9517, 0.3291, 0.3228



Tritanopia

13.6761, 0.5757, 0.3289

Trichromacy



Original Color

13.4639, 0.4696, 0.2381

Protanomaly

10.5530, 0.2928, 0.1977

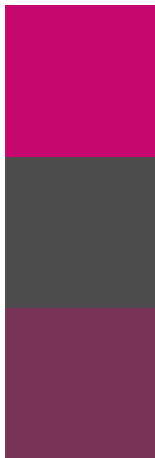
Deuteranomaly

11.1868, 0.3850, 0.2608

Tritanomaly

13.1579, 0.5466, 0.2952

Monochromacy



Original Color

13.4639, 0.4696, 0.2381

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.1539, 0.3844, 0.2529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4639, 0.4696, 0.2381 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(199, 7, 112)` looks like.

```
.text, #text, p{  
    color:rgb(199, 7, 112)  
}
```

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(199, 7, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 7, 112) }
```

Border

The CSS property to change the border of an element to Yxy 13.4639, 0.4696, 0.2381 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(199, 7, 112) }
```

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

```
.border{ border-color:rgb(199, 7, 112) }
```

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

Here you see how a box with a 4 pixel rgb(199, 7, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 7, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 7, 112);  
box-shadow:4px 4px 4px 4px rgb(199, 7,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4639, 0.4696, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 7, 112) }
```

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

```
.background{ background-color: rgb(199, 7,  
112) }
```

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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