

Converting Colors

$Yxy(13.1609, 0.4675, 0.2349)$

Have a look what the booklet for
Yxy(13.1609, 0.4675, 0.2349)
contains.

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Color

Yxy(13.1980, 0.4670, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	C60071
RGB	198, 0, 113
RGB Percent	78%, 0%, 44%
CMY	0.2235, 1.0000, 0.5568
CMYK	0.00, 1.00, 0.43, 0.22
HSL	326°, 100%, 39%
HSV	326°, 100%, 78%
XYZ	26.2722, 13.1980, 16.7872
YIQ	72.0840, 81.7350, 77.1190

Conversions

Conversions Part 2

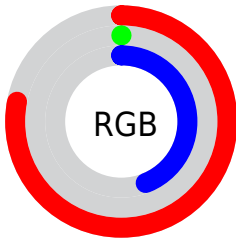
Format	Color
RYB	198, 0, 113
Decimal	12976241
CIELab	43.06, 71.13, -5.42
CIELCh	43, 71.340, 355.646
Yxy	13.1980, 0.4670, 0.2346
Android (android.graphics.Color)	4291166321 (0xFFC60071)
YUV	72.0840, 20.1716, 110.4283
Hunter-Lab	36.3291, 65.5108, -1.9669

Details

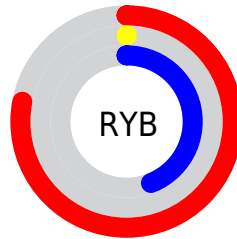
The Yxy color **13.1980, 0.4670, 0.2346** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **41.0503, 0.2790, 0.5246**, and the grayscale version is **6.4505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7930, 0.4249, 0.2544**, and **5.7849, 0.5030, 0.2544** is the 20% darker color. If you saturate the color by 10%, you get **13.2000, 0.4670, 0.2346**, and if you desaturate by 10%, it is **13.8939, 0.4472, 0.2299**.

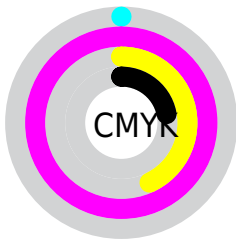
Distribution



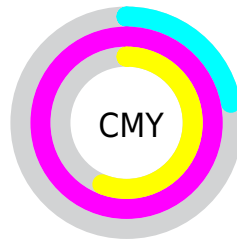
- Red (78%)
- Green (0%)
- Blue (44%)



- Red (78%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1980, 0.4670, 0.2346 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 13.1980, 0.4670, 0.2346 by changing the saturation by 10% instead.


 13.1980, 0.4670,
0.2346


 13.1980, 0.4670,
0.2346

212.1828, 0.3763,
0.2889


 7.5650, 0.4953,
0.2183


 31.6590, 0.4301,
0.2563


 3.8179, 0.5355,
0.1957

 45.2559, 0.4175,
0.2638


 1.5722, 0.5962,
0.1627

 62.2762, 0.4073,
0.2699


 0.3388, 0.7160,
0.0886

 83.1043, 0.3989,
0.2750

 0.0000, 1.0000,
0.0000

 108.1246, 0.3919,
0.2793

 0.0000, 0.0000,
0.0000

 137.7215, 0.3859,

0.2830

172.2794, 0.3807,
0.2861

■ 13.1980, 0.4670,
0.2346

■ 13.1980, 0.4670,
0.2346

■ 13.2000, 0.4670,
0.2346

■ 13.8939, 0.4472,
0.2299

■ 15.1104, 0.4270,
0.2299

■ 17.0269, 0.4069,
0.2349

■ 19.7361, 0.3879,
0.2440

■ 23.3163, 0.3705,
0.2563

■ 27.8363, 0.3551,
0.2703

■ 33.3581, 0.3417,
0.2853

■ 39.9384, 0.3303,
0.3003

■ 47.6293, 0.3207,
0.3150

Harmonies

Analogous

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



13.1980, 0.3096, 0.1744



13.1980, 0.4670, 0.2346



13.1980, 0.5772, 0.3090

Triad

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



13.1980, 0.4670, 0.2346



13.1980, 0.3799, 0.5891



13.1980, 0.0970, 0.1710

Complementary

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



13.1980, 0.4670, 0.2346



41.0503, 0.2790, 0.5246

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.



13.1980, 0.1042, 0.2627



13.1980, 0.4670, 0.2346



13.1980, 0.2581, 0.5980

Square

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



13.1980, 0.4670, 0.2346



13.1980, 0.4990, 0.4929



13.1980, 0.1560, 0.4386



13.1980, 0.1233, 0.1384

Rectangle

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



13.1980, 0.4670, 0.2346



13.1980, 0.5888, 0.3622



13.1980, 0.1560, 0.4386



13.1980, 0.0955, 0.1932

Sweetspot

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



13.2000, 0.4670, 0.2346



58.5826, 0.3423, 0.2846



5.8944, 0.1867, 0.0802



11.6033, 0.3478, 0.2781



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.



13.2000, 0.4670, 0.2346



23.3207, 0.4697, 0.2361



12.0465, 0.6315, 0.3252



10.7367, 0.3202, 0.3159



8.6004, 0.4645, 0.2332



0.4215, 0.4267, 0.2124

Inverse Universe

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



13.2000, 0.4670, 0.2346



23.3207, 0.4697, 0.2361



43.7516, 0.2319, 0.3549



10.7367, 0.3202, 0.3159



8.6004, 0.4645, 0.2332



0.4215, 0.4267, 0.2124

Previews

White Background



This preview shows how the Yxy color 13.1980, 0.4670, 0.2346 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 13.1980, 0.4670, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

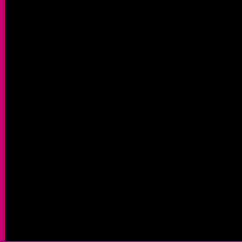
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1980, 0.4670, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 13.1980, 0.4670, 0.2346.



This preview shows how white text looks on a background with the Yxy color 13.1980, 0.4670, 0.2346.

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

13.1980, 0.4670, 0.2346

Protanopia

13.9052, 0.2279, 0.2148

Deuteranopia

13.9047, 0.3262, 0.3207



Tritanopia

13.5434, 0.5751, 0.3289

Trichromacy



Original Color

13.1980, 0.4670, 0.2346



Protanomaly

10.0793, 0.2883, 0.1907



Deuteranomaly

10.7692, 0.3825, 0.2540



Tritanomaly

12.9230, 0.5467, 0.2937

Monochromacy



Original Color

13.1980, 0.4670, 0.2346



Achromatopsia

6.4803, 0.3127, 0.3290



Achromatomaly

6.4937, 0.3852, 0.2460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1980, 0.4670, 0.2346 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 113) }
```

Border

The CSS property to change the border of an element to Yxy 13.1980, 0.4670, 0.2346 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, 113) }
```

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

```
.border{ border-color:rgb(198, 0, 113) }
```

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, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1980, 0.4670, 0.2346 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, 113) }
```

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

```
.background{ background-color: rgb(198, 0,  
113) }
```

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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