

Converting Colors

$Y_{xy}(14.0311, 0.4411, 0.2204)$

Have a look what the booklet for
Yxy(14.0311, 0.4411, 0.2204)
contains.

Yxy(13.9760, 0.4400, 0.2197)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9760, 0.4400, 0.2197)

Conversions

Conversions Part 1

Format	Color
Hex	C90080
RGB	201, 0, 128
RGB Percent	79%, 0%, 50%
CMY	0.2116, 1.0000, 0.4980
CMYK	0.00, 1.00, 0.36, 0.21
HSL	322°, 100%, 39%
HSV	322°, 100%, 79%
XYZ	27.9902, 13.9760, 21.6479
YIQ	74.6910, 78.7080, 82.4200

Conversions

Conversions Part 2

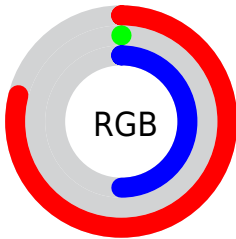
Format	Color
RYB	201, 0, 128
Decimal	13172864
CIELab	44.20, 73.18, -12.94
CIElCh	44, 74.313, 349.973
Yxy	13.9760, 0.4400, 0.2197
Android (android.graphics.Color)	4291362944 (0xFFC90080)
YUV	74.6910, 26.2813, 110.7730
Hunter-Lab	37.3845, 68.2220, -8.1633

Details

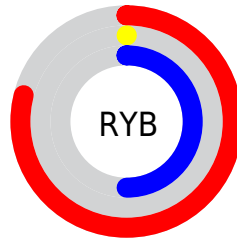
The Yxy color **13.9760, 0.4400, 0.2197** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **42.2686, 0.2845, 0.5442**, and the grayscale version is **6.9209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5756, 0.4031, 0.2398**, and **6.2272, 0.4666, 0.2344** is the 20% darker color. If you saturate the color by 10%, you get **13.9804, 0.4400, 0.2197**, and if you desaturate by 10%, it is **14.6837, 0.4240, 0.2166**.

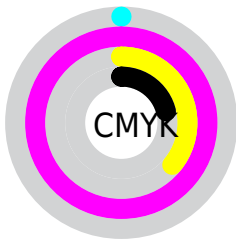
Distribution



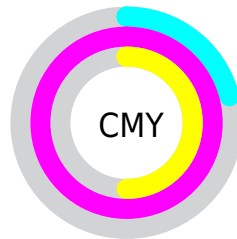
- Red (79%)
- Green (0%)
- Blue (50%)



- Red (79%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (21%)



- Cyan (21%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9760, 0.4400, 0.2197 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 13.9760, 0.4400, 0.2197 by changing the saturation by 10% instead.


 13.9760, 0.4400,
0.2197


 13.9760, 0.4400,
0.2197


217.0815, 0.3670,
0.2800


 8.1040, 0.4619,
0.2028


 33.0464, 0.4109,
0.2430


 4.1616, 0.4924,
0.1800


 47.0136, 0.4008,
0.2514

 1.7643, 0.5374,
0.1483

 64.4480, 0.3925,
0.2582

 0.4648, 0.6163,
0.0916

 85.7340, 0.3857,
0.2640

 0.0000, 0.8562,
0.0000

 111.2559, 0.3799,
0.2689

 0.0000, 1.0000,
0.0000

 141.3982, 0.3750,

 0.0000, 0.0000,

0.2731

0.0000

176.5453, 0.3707,
0.2768

■ 13.9760, 0.4400,
0.2197

■ 13.9760, 0.4400,
0.2197

■ 13.9804, 0.4400,
0.2197

■ 14.6837, 0.4240,
0.2166

■ 15.9247, 0.4078,
0.2180

■ 17.8852, 0.3916,
0.2243

■ 20.6613, 0.3761,
0.2348

■ 24.3343, 0.3618,
0.2484

■ 28.9755, 0.3489,
0.2639

■ 34.6489, 0.3377,
0.2804

■ 41.4133, 0.3279,
0.2971

■ 49.3226, 0.3197,
0.3134

Harmonies

Analogous

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



13.9760, 0.2818, 0.1635



13.9760, 0.4400, 0.2197



13.9760, 0.5694, 0.2930

Triad

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



13.9760, 0.4400, 0.2197



13.9760, 0.4035, 0.5781



13.9760, 0.0929, 0.1800

Complementary

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



13.9760, 0.4400, 0.2197



42.2686, 0.2845, 0.5442

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.



13.9760, 0.1069, 0.2882



13.9760, 0.4400, 0.2197



13.9760, 0.2786, 0.6161

Square

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



13.9760, 0.4400, 0.2197



13.9760, 0.5200, 0.4728



13.9760, 0.1690, 0.4803



13.9760, 0.1130, 0.1386

Rectangle

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



13.9760, 0.4400, 0.2197



13.9760, 0.5954, 0.3454



13.9760, 0.1690, 0.4803



13.9760, 0.0934, 0.2066

Sweetspot

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



13.9804, 0.4400, 0.2197



58.8580, 0.3381, 0.2797



5.5340, 0.1763, 0.0745



11.6689, 0.3428, 0.2726



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.



13.9804, 0.4400, 0.2197



23.8820, 0.4420, 0.2209



12.5162, 0.6204, 0.3191



10.7487, 0.3192, 0.3144



8.8055, 0.4378, 0.2185



0.4305, 0.4074, 0.2018

Inverse Universe

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



13.9804, 0.4400, 0.2197



23.8820, 0.4420, 0.2209



44.7228, 0.2381, 0.3772



10.7487, 0.3192, 0.3144



8.8055, 0.4378, 0.2185



0.4305, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 13.9760, 0.4400, 0.2197 looks on a white background.

Color Contrast Check

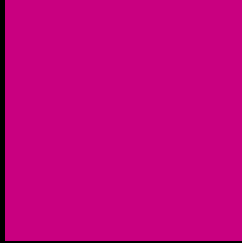
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9760, 0.4400, 0.2197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

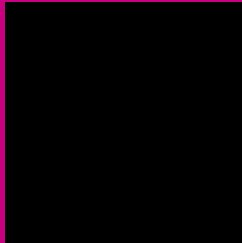
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9760, 0.4400, 0.2197

Background



This preview shows how black text looks on a background with the Yxy color 13.9760, 0.4400, 0.2197.



This preview shows how white text looks on a background with the Yxy color 13.9760, 0.4400, 0.2197.

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

13.9760, 0.4400, 0.2197

Protanopia

14.6972, 0.2082, 0.1893

Deuteranopia

14.6120, 0.3031, 0.2986



Tritanopia

14.3513, 0.5629, 0.3288

Trichromacy



Original Color

13.9760, 0.4400, 0.2197



Protanomaly

10.4627, 0.2589, 0.1675



Deuteranomaly

11.2309, 0.3543, 0.2346



Tritanomaly

13.6180, 0.5288, 0.2851

Monochromacy



Original Color

13.9760, 0.4400, 0.2197



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.9870, 0.3740, 0.2384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9760, 0.4400, 0.2197 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(201, 0, 128)` looks like.

```
.text, #text, p{  
    color:rgb(201, 0, 128)  
}
```

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(201, 0, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 0, 128) }
```

Border

The CSS property to change the border of an element to Yxy 13.9760, 0.4400, 0.2197 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(201, 0, 128) }
```

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

```
.border{ border-color:rgb(201, 0, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 0, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(201, 0,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9760, 0.4400, 0.2197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 0, 128) }
```

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

```
.background{ background-color: rgb(201, 0,  
128) }
```

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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