

Converting Colors

$Y_{xy}(13.7594, 0.4720, 0.2374)$

Have a look what the booklet for
Yxy(13.7594, 0.4720, 0.2374)
contains.

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Color

Yxy(13.7488, 0.4720, 0.2374)

Conversions

Conversions Part 1

Format	Color
Hex	CA0071
RGB	202, 0, 113
RGB Percent	79%, 0%, 44%
CMY	0.2079, 0.9996, 0.5569
CMYK	0.00, 1.00, 0.44, 0.21
HSL	326°, 100%, 40%
HSV	326°, 100%, 79%
XYZ	27.3354, 13.7488, 16.8298
YIQ	73.2800, 84.1190, 77.9670

Conversions

Conversions Part 2

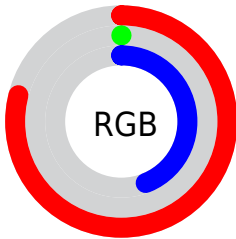
Format	Color
R_{YB}	202, 0, 113
Decimal	13238385
CIE _{Lab}	43.87, 71.98, -4.11
CIE _{LCh}	44, 72.094, 356.733
Yxy	13.7488, 0.4720, 0.2374
Android (android.graphics.Color)	4291428465 (0xFFCA0071)
YUV	73.2800, 19.5820, 112.8874
Hunter-Lab	37.0794, 66.7038, -0.9554

Details

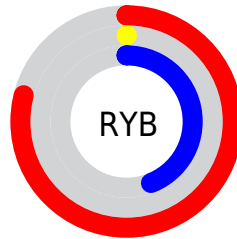
The Yxy color **13.7488, 0.4720, 0.2374** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **42.9616, 0.2781, 0.5211**, and the grayscale version is **6.6785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9561, 0.4246, 0.2551**, and **6.1324, 0.5090, 0.2578** is the 20% darker color. If you saturate the color by 10%, you get **13.7463, 0.4721, 0.2374**, and if you desaturate by 10%, it is **14.4689, 0.4515, 0.2324**.

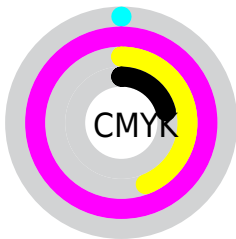
Distribution



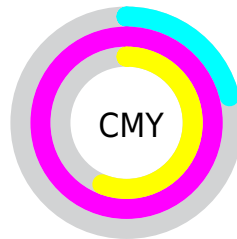
- Red (79%)
- Green (0%)
- Blue (44%)



- Red (79%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (44%)
- Black (21%)





- Cyan (21%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7488, 0.4720, 0.2374 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 13.7488, 0.4720, 0.2374 by changing the saturation by 10% instead.

 13.7488, 0.4720,
0.2374


 13.7488, 0.4720,
0.2374


215.6625, 0.3786,
0.2902


 7.9462, 0.5009,
0.2216


 32.6426, 0.4342,
0.2585


 4.0605, 0.5418,
0.1996

 46.5026, 0.4212,
0.2658

 1.7075, 0.6030,
0.1674

 63.8172, 0.4107,
0.2717

 0.4285, 0.7158,
0.1030

 84.9707, 0.4020,
0.2767

 0.0000, 1.0000,
0.0000

 110.3476, 0.3948,
0.2808

 0.0000, 0.0000,
0.0000

 140.3323, 0.3886,

0.2844

175.3091, 0.3832,
0.2875

■ 13.7488, 0.4720,
0.2374

■ 13.7488, 0.4720,
0.2374

■ 13.7463, 0.4721,
0.2374

■ 14.4689, 0.4515,
0.2324

■ 15.7402, 0.4306,
0.2320

■ 17.7457, 0.4098,
0.2367

■ 20.5829, 0.3901,
0.2457

■ 24.3340, 0.3721,
0.2576

■ 29.0715, 0.3562,
0.2714

■ 34.8603, 0.3425,
0.2861

■ 41.7599, 0.3307,
0.3009

■ 49.8253, 0.3209,
0.3153

Harmonies

Analogous

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



13.7488, 0.3149, 0.1765



13.7488, 0.4720, 0.2374



13.7488, 0.5785, 0.3120

Triad

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



13.7488, 0.4720, 0.2374



13.7488, 0.3754, 0.5908



13.7488, 0.0977, 0.1694

Complementary

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



13.7488, 0.4720, 0.2374



42.9616, 0.2781, 0.5211

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.



13.7488, 0.1037, 0.2582



13.7488, 0.4720, 0.2374



13.7488, 0.2542, 0.5940

Square

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



13.7488, 0.4720, 0.2374



13.7488, 0.4945, 0.4962



13.7488, 0.1536, 0.4310



13.7488, 0.1253, 0.1383

Rectangle

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



13.7488, 0.4720, 0.2374



13.7488, 0.5874, 0.3654



13.7488, 0.1536, 0.4310



13.7488, 0.0959, 0.1908

Sweetspot

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



13.7496, 0.4720, 0.2374



58.5351, 0.3430, 0.2854



6.3209, 0.1895, 0.0818



11.5920, 0.3487, 0.2791



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.



13.7496, 0.4720, 0.2374



23.2302, 0.4746, 0.2388



12.5883, 0.6336, 0.3264



11.3169, 0.3204, 0.3161



8.8645, 0.4695, 0.2360



0.4724, 0.4328, 0.2158

Inverse Universe

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



13.7496, 0.4720, 0.2374



23.2302, 0.4746, 0.2388



45.8923, 0.2304, 0.3495



11.3169, 0.3204, 0.3161



8.8645, 0.4695, 0.2360



0.4724, 0.4328, 0.2158

Previews

White Background



This preview shows how the Yxy color 13.7488, 0.4720, 0.2374 looks on a white background.

Color Contrast Check

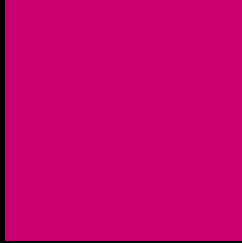
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7488, 0.4720, 0.2374 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 13.7488, 0.4720, 0.2374

Background



This preview shows how black text looks on a background with the Yxy color 13.7488, 0.4720, 0.2374.



This preview shows how white text looks on a background with the Yxy color 13.7488, 0.4720, 0.2374.

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

13.7488, 0.4720, 0.2374

Protanopia

14.4763, 0.2305, 0.2179

Deuteranopia

14.2841, 0.3318, 0.3250



Tritanopia

14.0798, 0.5776, 0.3290

Trichromacy



Original Color

13.7488, 0.4720, 0.2374



Protanomaly

10.5300, 0.2930, 0.1933



Deuteranomaly

11.1380, 0.3890, 0.2586



Tritanomaly

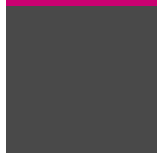
13.4630, 0.5500, 0.2950

Monochromacy



Original Color

13.7488, 0.4720, 0.2374



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

6.6516, 0.3869, 0.2455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7488, 0.4720, 0.2374 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(202, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 0, 113) }
```

Border

The CSS property to change the border of an element to Yxy 13.7488, 0.4720, 0.2374 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(202, 0, 113) }
```

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

```
.border{ border-color:rgb(202, 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(202, 0, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(202, 0,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7488, 0.4720, 0.2374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 0, 113) }
```

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

```
.background{ background-color: rgb(202, 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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