

Converting Colors

$Y_{xy}(14.7428, 0.4539, 0.2334)$

Have a look what the booklet for
Yxy(14.7428, 0.4539, 0.2334)
contains.

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Color

Yxy(14.7428, 0.4539, 0.2334)

Conversions

Conversions Part 1

Format	Color
Hex	CC147A
RGB	204, 20, 122
RGB Percent	80%, 8%, 48%
CMY	0.1999, 0.9219, 0.5215
CMYK	0.00, 0.90, 0.40, 0.20
HSL	327°, 82%, 44%
HSV	327°, 90%, 80%
XYZ	28.6708, 14.7428, 19.7518
YIQ	86.6440, 76.9220, 70.7300

Conversions

Conversions Part 2

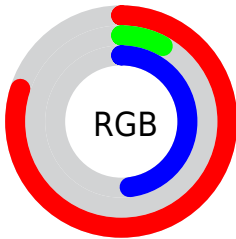
Format	Color
R_{YB}	204, 20, 122
Decimal	13374586
CIE _{Lab}	45.28, 71.19, -7.56
CIE _{LCh}	45, 71.591, 353.937
Yxy	14.7428, 0.4539, 0.2334
Android (android.graphics.Color)	4291564666 (0xFFCC147A)
YUV	86.6440, 17.4305, 102.9212
Hunter-Lab	38.3964, 66.0933, -3.6225

Details

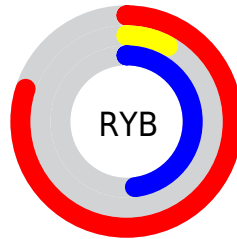
The Yxy color **14.7428, 0.4539, 0.2334** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **44.3033, 0.2746, 0.5011**, and the grayscale version is **9.3902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3214, 0.4109, 0.2511**, and **6.4103, 0.4889, 0.2467** is the 20% darker color. If you saturate the color by 10%, you get **14.0365, 0.4741, 0.2386**, and if you desaturate by 10%, it is **16.0212, 0.4327, 0.2327**.

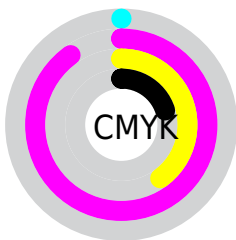
Distribution



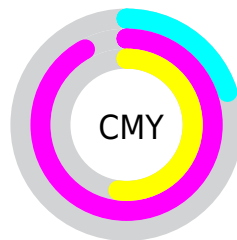
- Red (80%)
- Green (8%)
- Blue (48%)



- Red (80%)
- Yellow (8%)
- Blue (48%)



- Cyan (0%)
- Magenta (90%)
- Yellow (40%)
- Black (20%)




- Cyan (20%)
- Magenta (92%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7428, 0.4539, 0.2334 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 14.7428, 0.4539, 0.2334 by changing the saturation by 10% instead.


 14.7428, 0.4539,
0.2334


 14.7428, 0.4539,
0.2334


221.8041, 0.3723,
0.2871


 8.6391, 0.4786,
0.2179


 34.4013, 0.4212,
0.2544


 4.5065, 0.5132,
0.1967

 48.7249, 0.4099,
0.2619


 1.9607, 0.5647,
0.1665

 66.5573, 0.4007,
0.2680

 0.5845, 0.6508,
0.1157

 88.2828, 0.3931,
0.2731

 0.0000, 1.0000,
0.0000

 114.2858, 0.3867,
0.2774

 0.0000, 0.0000,
0.0000

 144.9508, 0.3812,

0.2811

180.6621, 0.3765,
0.2843

■ 14.7428, 0.4539,
0.2334

■ 14.7428, 0.4539,
0.2334

■ 14.0365, 0.4741,
0.2386

■ 16.0212, 0.4327,
0.2327

■ 18.0473, 0.4116,
0.2372

■ 20.9223, 0.3916,
0.2460

■ 24.7310, 0.3733,
0.2578

■ 29.5481, 0.3571,
0.2714

■ 35.4402, 0.3431,
0.2860

■ 42.4685, 0.3312,
0.3007

■ 50.6894, 0.3212,
0.3150

■ 60.1556, 0.3129,
0.3287

Harmonies

Analogous

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



14.7428, 0.3020, 0.1754



14.7428, 0.4539, 0.2334



14.7428, 0.5661, 0.3066

Triad

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



14.7428, 0.4539, 0.2334



14.7428, 0.3873, 0.5780



14.7428, 0.1007, 0.1785

Complementary

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



14.7428, 0.4539, 0.2334



44.3033, 0.2746, 0.5011

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.



14.7428, 0.1105, 0.2732



14.7428, 0.4539, 0.2334



14.7428, 0.2680, 0.5920

Square

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



14.7428, 0.4539, 0.2334



14.7428, 0.5004, 0.4838



14.7428, 0.1653, 0.4461



14.7428, 0.1249, 0.1433

Rectangle

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



14.7428, 0.4539, 0.2334



14.7428, 0.5827, 0.3591



14.7428, 0.1653, 0.4461



14.7428, 0.1000, 0.2018

Sweetspot

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



14.7436, 0.4539, 0.2334



61.8409, 0.3395, 0.2903



7.5499, 0.2005, 0.0925



12.4296, 0.3439, 0.2852



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.



14.7436, 0.4539, 0.2334



23.1955, 0.4766, 0.2399



13.4434, 0.6126, 0.3239



11.3161, 0.3205, 0.3162



8.8513, 0.4714, 0.2370



0.4718, 0.4342, 0.2165

Inverse Universe

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



14.7436, 0.4539, 0.2334



23.1955, 0.4766, 0.2399



47.1403, 0.2312, 0.3474



11.3161, 0.3205, 0.3162



8.8513, 0.4714, 0.2370



0.4718, 0.4342, 0.2165

Previews

White Background



This preview shows how the Yxy color 14.7428, 0.4539, 0.2334 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 14.7428, 0.4539, 0.2334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

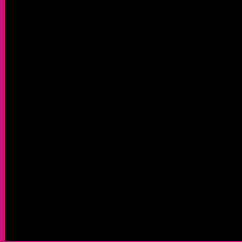
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7428, 0.4539, 0.2334

Background



This preview shows how black text looks on a background with the Yxy color 14.7428, 0.4539, 0.2334.



This preview shows how white text looks on a background with the Yxy color 14.7428, 0.4539, 0.2334.

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

14.7428, 0.4539, 0.2334

Protanopia

15.1642, 0.2227, 0.2076

Deuteranopia

15.0773, 0.3191, 0.3130



Tritanopia

14.9041, 0.5644, 0.3280

Trichromacy



Original Color

14.7428, 0.4539, 0.2334



Protanomaly

11.8773, 0.2806, 0.1949



Deuteranomaly

12.5481, 0.3707, 0.2585



Tritanomaly

14.4851, 0.5316, 0.2936

Monochromacy



Original Color

14.7428, 0.4539, 0.2334



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.2209, 0.3727, 0.2587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7428, 0.4539, 0.2334 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(204, 20, 122)` looks like.

```
.text, #text, p{  
  color:rgb(204, 20, 122)  
}
```

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(204, 20, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 20, 122) }
```

Border

The CSS property to change the border of an element to Yxy 14.7428, 0.4539, 0.2334 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(204, 20, 122) }
```

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

```
.border{ border-color:rgb(204, 20, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 20, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 20, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 20, 122);  
box-shadow:4px 4px 4px 4px rgb(204, 20,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7428, 0.4539, 0.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 20, 122) }
```

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

```
.background{ background-color: rgb(204, 20,  
122) }
```

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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