

Converting Colors

$Y_{xy}(12.8016, 0.4422, 0.2211)$

Have a look what the booklet for
Yxy(12.8016, 0.4422, 0.2211)
contains.

Yxy(12.7643, 0.4414, 0.2208)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7643, 0.4414, 0.2208)

Conversions

Conversions Part 1

Format	Color
Hex	C1017A
RGB	193, 1, 122
RGB Percent	76%, 0%, 48%
CMY	0.2431, 0.9961, 0.5216
CMYK	0.00, 0.99, 0.37, 0.24
HSL	322°, 99%, 38%
HSV	322°, 99%, 76%
XYZ	25.5170, 12.7643, 19.5280
YIQ	72.2020, 75.5910, 78.3350

Conversions

Conversions Part 2

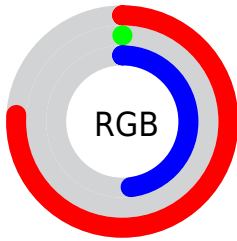
Format	Color
R _Y B	193, 1, 122
Decimal	12648826
CIE Lab	42.41, 70.80, -12.09
CIE LCh	42, 71.827, 350.311
Yxy	12.7643, 0.4414, 0.2208
Android (android.graphics.Color)	4290838906 (0xFFC1017A)
YUV	72.2020, 24.5504, 105.9398
Hunter-Lab	35.7272, 64.9657, -7.3981

Details

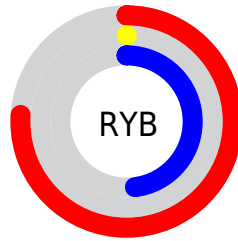
The Yxy color **12.7643, 0.4414, 0.2208** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **38.6179, 0.2837, 0.5409**, and the grayscale version is **6.4639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7824, 0.4118, 0.2445**, and **5.5494, 0.4720, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **12.7343, 0.4423, 0.2210**, and if you desaturate by 10%, it is **13.4378, 0.4251, 0.2178**.

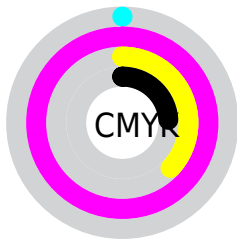
Distribution



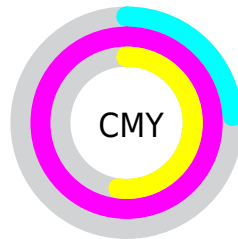
- Red (76%)
- Green (0%)
- Blue (48%)



- Red (76%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (99%)
- Yellow (37%)
- Black (24%)




- Cyan (24%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7643, 0.4414, 0.2208 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 12.7643, 0.4414, 0.2208 by changing the saturation by 10% instead.


 12.7643, 0.4414,
0.2208


 12.7643, 0.4414,
0.2208

209.4015, 0.3666,
0.2815


 7.2664, 0.4644,
0.2034


 30.8797, 0.4112,
0.2445


 3.6293, 0.4969,
0.1796

 44.2660, 0.4008,
0.2529

 1.4684, 0.5457,
0.1460

 61.0506, 0.3924,
0.2598

 0.2664, 0.6457,
0.0668

 81.6179, 0.3854,
0.2656

 0.0000, 1.0000,
0.0000

 106.3522, 0.3796,
0.2705

 0.0000, 0.0000,
0.0000

 135.6380, 0.3746,

0.2747

169.8596, 0.3703,
0.2783

■ 12.7643, 0.4414,
0.2208

■ 12.7643, 0.4414,
0.2208

■ 12.7343, 0.4423,
0.2210

■ 13.4378, 0.4251,
0.2178

■ 14.6143, 0.4085,
0.2194

■ 16.4515, 0.3920,
0.2259

■ 19.0352, 0.3763,
0.2365

■ 22.4383, 0.3618,
0.2501

■ 26.7248, 0.3488,
0.2655

■ 31.9525, 0.3374,
0.2818

■ 38.1740, 0.3277,
0.2983

■ 45.4383, 0.3194,
0.3144

Harmonies

Analogous

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



12.7643, 0.2835, 0.1644



12.7643, 0.4414, 0.2208



12.7643, 0.5694, 0.2942

Triad

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



12.7643, 0.4414, 0.2208



12.7643, 0.4026, 0.5792



12.7643, 0.0934, 0.1797

Complementary

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



12.7643, 0.4414, 0.2208



38.6179, 0.2837, 0.5409

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.



12.7643, 0.1071, 0.2867



12.7643, 0.4414, 0.2208



12.7643, 0.2776, 0.6144

Square

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



12.7643, 0.4414, 0.2208



12.7643, 0.5193, 0.4747



12.7643, 0.1685, 0.4774



12.7643, 0.1139, 0.1389

Rectangle

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



12.7643, 0.4414, 0.2208



12.7643, 0.5945, 0.3465



12.7643, 0.1685, 0.4774



12.7643, 0.0938, 0.2060

Sweetspot

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



12.7650, 0.4414, 0.2208



56.2214, 0.3385, 0.2802



5.2270, 0.1795, 0.0765



11.1782, 0.3432, 0.2732



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.7650, 0.4414, 0.2208



22.7560, 0.4446, 0.2223



11.4374, 0.6220, 0.3205



10.1823, 0.3193, 0.3146



8.4849, 0.4403, 0.2199



0.3795, 0.4070, 0.2016

Inverse Universe

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



12.7650, 0.4414, 0.2208



22.7560, 0.4446, 0.2223



40.9550, 0.2365, 0.3712



10.1823, 0.3193, 0.3146



8.4849, 0.4403, 0.2199



0.3795, 0.4070, 0.2016

Previews

White Background



This preview shows how the Yxy color 12.7643, 0.4414, 0.2208 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 12.7643, 0.4414, 0.2208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

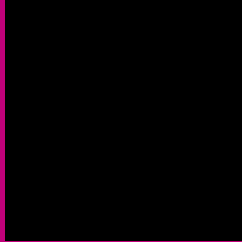
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7643, 0.4414, 0.2208

Background



This preview shows how black text looks on a background with the Yxy color 12.7643, 0.4414, 0.2208.



This preview shows how white text looks on a background with the Yxy color 12.7643, 0.4414, 0.2208.

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

12.7643, 0.4414, 0.2208

Protanopia

13.5116, 0.2096, 0.1911

Deuteranopia

13.4324, 0.3054, 0.3016



Tritanopia

13.1630, 0.5634, 0.3279

Trichromacy



Original Color

12.7643, 0.4414, 0.2208

Protanomaly

9.7119, 0.2608, 0.1699

Deuteranomaly

10.3310, 0.3556, 0.2375

Tritanomaly

12.4489, 0.5294, 0.2861

Monochromacy



Original Color

12.7643, 0.4414, 0.2208

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.4052, 0.3739, 0.2389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7643, 0.4414, 0.2208 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(193, 1, 122)` looks like.

```
.text, #text, p{  
    color:rgb(193, 1, 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(193, 1, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 1, 122) }
```

Border

The CSS property to change the border of an element to Yxy 12.7643, 0.4414, 0.2208 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(193, 1, 122) }
```

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

```
.border{ border-color:rgb(193, 1, 122) }
```

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

Here you see how a box with a 4 pixel rgb(193, 1, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 1, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 1, 122);  
box-shadow:4px 4px 4px 4px rgb(193, 1,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7643, 0.4414, 0.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 1, 122) }
```

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

```
.background{ background-color: rgb(193, 1,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor