

Converting Colors

$Yxy(16.4814, 0.3975, 0.2271)$

Have a look what the booklet for
Yxy(16.4814, 0.3975, 0.2271)
contains.

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Color

Yxy(16.4814, 0.3975, 0.2271)

Conversions

Conversions Part 1

Format	Color
Hex	C3398E
RGB	195, 57, 142
RGB Percent	76%, 22%, 56%
CMY	0.2353, 0.7764, 0.4432
CMYK	0.00, 0.71, 0.27, 0.24
HSL	323°, 55%, 49%
HSV	323°, 71%, 76%
XYZ	28.8479, 16.4814, 27.2440
YIQ	107.9520, 54.9630, 55.6910

Conversions

Conversions Part 2

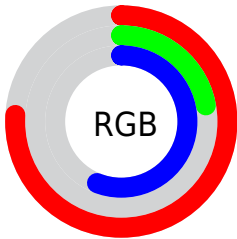
Format	Color
R_{YB}	195, 57, 142
Decimal	12794254
CIE _{Lab}	47.60, 61.88, -16.37
CIE _{LCh}	48, 64.010, 345.180
Yxy	16.4814, 0.3975, 0.2271
Android (android.graphics.Color)	4290984334 (0xFFC3398E)
YUV	107.9520, 16.7857, 76.3411
Hunter-Lab	40.5973, 55.7945, -11.3702

Details

The Yxy color **16.4814, 0.3975, 0.2271** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **41.0226, 0.2778, 0.4745**, and the grayscale version is **14.9260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5070, 0.3790, 0.2479**, and **6.0911, 0.4224, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **14.6919, 0.4149, 0.2215**, and if you desaturate by 10%, it is **19.0278, 0.3809, 0.2369**.

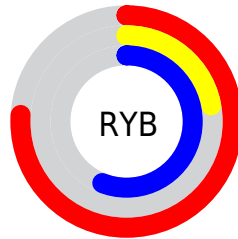
Distribution



Red (76%)

Green (22%)

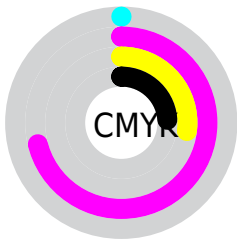
Blue (56%)



Red (76%)

Yellow (22%)

Blue (56%)

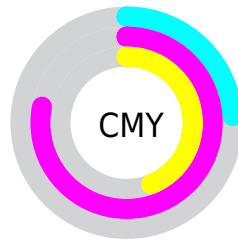


Cyan (0%)

Magenta (71%)

Yellow (27%)

Black (24%)



Cyan (24%)

Magenta (78%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4814, 0.3975, 0.2271 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 16.4814, 0.3975, 0.2271 by changing the saturation by 10% instead.


 16.4814, 0.3975,
0.2271


 16.4814, 0.3975,
0.2271


232.1658, 0.3504,
0.2820


 9.8654, 0.4110,
0.2122


 37.4319, 0.3792,
0.2480


 5.3098, 0.4294,
0.1923


 52.5353, 0.3727,
0.2555


 2.4302, 0.4559,
0.1650


 71.2366, 0.3673,
0.2618

 0.8413, 0.4970,
0.1256

 93.9202, 0.3628,
0.2671

 0.0000, 0.6087,
0.0000

 120.9706, 0.3590,
0.2717

 0.0000, 1.0000,
0.0000

152.7720, 0.3558,

 0.0000, 0.0000,

0.2756

0.0000

189.7090, 0.3529,
0.2790

■ 16.4814, 0.3975,
0.2271

■ 16.4814, 0.3975,
0.2271

■ 14.6919, 0.4149,
0.2215

■ 19.0278, 0.3809,
0.2369

■ 13.5665, 0.4323,
0.2209

■ 22.4046, 0.3655,
0.2499

■ 12.9583, 0.4482,
0.2243

■ 26.6795, 0.3518,
0.2648

■ 31.9124, 0.3397,
0.2808

■ 38.1579, 0.3294,
0.2969

■ 45.4668, 0.3206,
0.3128

■ 53.8861, 0.3132,
0.3279

■ 63.4602, 0.3070,
0.3421

■ 74.2309, 0.3019,
0.3554

Harmonies

Analogous

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



16.4814, 0.2704, 0.1796



16.4814, 0.3975, 0.2271



16.4814, 0.5127, 0.2932

Triad

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



16.4814, 0.3975, 0.2271



16.4814, 0.4190, 0.5327



16.4814, 0.1196, 0.2159

Complementary

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



16.4814, 0.3975, 0.2271



41.0226, 0.2778, 0.4745

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.



16.4814, 0.1421, 0.3215



16.4814, 0.3975, 0.2271



16.4814, 0.3112, 0.5637

Square

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



16.4814, 0.3975, 0.2271



16.4814, 0.5093, 0.4502



16.4814, 0.2089, 0.4736



16.4814, 0.1326, 0.1678

Rectangle

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



16.4814, 0.3975, 0.2271



16.4814, 0.5491, 0.3421



16.4814, 0.2089, 0.4736



16.4814, 0.1228, 0.2438

Sweetspot

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



16.4823, 0.3975, 0.2271



67.6579, 0.3299, 0.2960



10.1784, 0.2201, 0.1263



14.0916, 0.3327, 0.2915



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.



16.4823, 0.3975, 0.2271



25.0596, 0.4246, 0.2205



15.0126, 0.5236, 0.3122



10.1798, 0.3195, 0.3149



8.4401, 0.4460, 0.2230



0.3778, 0.4110, 0.2038

Inverse Universe

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



16.4823, 0.3975, 0.2271



25.0596, 0.4246, 0.2205



43.1463, 0.2407, 0.3541



10.1798, 0.3195, 0.3149



8.4401, 0.4460, 0.2230



0.3778, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 16.4814, 0.3975, 0.2271 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 16.4814, 0.3975, 0.2271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

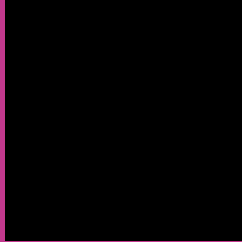
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4814, 0.3975, 0.2271

Background



This preview shows how black text looks on a background with the Yxy color 16.4814, 0.3975, 0.2271.



This preview shows how white text looks on a background with the Yxy color 16.4814, 0.3975, 0.2271.

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

16.4814, 0.3975, 0.2271

Protanopia

16.7247, 0.2212, 0.2059

Deuteranopia

16.7349, 0.2907, 0.2852



Tritanopia

16.5438, 0.4937, 0.3246

Trichromacy



Original Color

16.4814, 0.3975, 0.2271

Protanomaly

14.7078, 0.2668, 0.2031

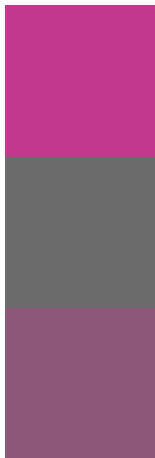
Deuteranomaly

15.2176, 0.3264, 0.2514

Tritanomaly

16.3000, 0.4610, 0.2868

Monochromacy



Original Color

16.4814, 0.3975, 0.2271

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.0763, 0.3458, 0.2738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4814, 0.3975, 0.2271 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(195, 57, 142)` looks like.

```
.text, #text, p{  
    color:rgb(195, 57, 142)  
}
```

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(195, 57, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 57, 142) }
```

Border

The CSS property to change the border of an element to Yxy 16.4814, 0.3975, 0.2271 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(195, 57, 142) }
```

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

```
.border{ border-color:rgb(195, 57, 142) }
```

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

Here you see how a box with a 4 pixel rgb(195, 57, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 57, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 57, 142);  
box-shadow:4px 4px 4px 4px rgb(195, 57,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4814, 0.3975, 0.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 57, 142) }
```

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

```
.background{ background-color: rgb(195, 57,  
142) }
```

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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