

Converting Colors

$Y_{xy}(16.7071, 0.3878, 0.2210)$

Have a look what the booklet for
Yxy(16.7071, 0.3878, 0.2210)
contains.

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Color

Yxy(16.7663, 0.3872, 0.2211)

Conversions

Conversions Part 1

Format	Color
Hex	C33A94
RGB	195, 58, 148
RGB Percent	76%, 23%, 58%
CMY	0.2353, 0.7725, 0.4196
CMYK	0.00, 0.70, 0.24, 0.24
HSL	321°, 54%, 50%
HSV	321°, 70%, 76%
XYZ	29.3619, 16.7663, 29.7031
YIQ	109.2230, 52.7620, 57.0340

Conversions

Conversions Part 2

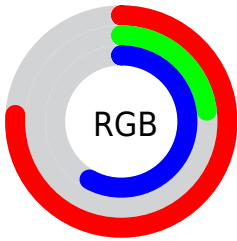
Format	Color
R _Y B	195, 58, 148
Decimal	12794516
CIE Lab	47.96, 62.29, -19.43
CIE LCh	48, 65.253, 342.678
Yxy	16.7663, 0.3872, 0.2211
Android (android.graphics.Color)	4290984596 (0xFFC33A94)
YUV	109.2230, 19.1171, 75.2264
Hunter-Lab	40.9467, 56.3414, -14.3469

Details

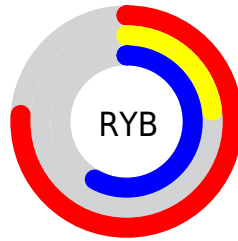
The Yxy color **16.7663, 0.3872, 0.2211** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **40.9468, 0.2809, 0.4830**, and the grayscale version is **15.2954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0151, 0.3720, 0.2432**, and **6.1814, 0.4090, 0.2027** is the 20% darker color. If you saturate the color by 10%, you get **14.9530, 0.4022, 0.2145**, and if you desaturate by 10%, it is **19.3378, 0.3728, 0.2319**.

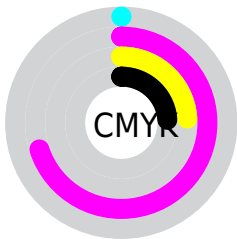
Distribution



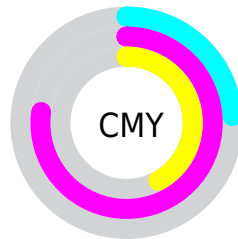
- Red (76%)
- Green (23%)
- Blue (58%)



- Red (76%)
- Yellow (23%)
- Blue (58%)



- Cyan (0%)
- Magenta (70%)
- Yellow (24%)
- Black (24%)




- Cyan (24%)
- Magenta (77%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7663, 0.3872, 0.2211 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 16.7663, 0.3872, 0.2211 by changing the saturation by 10% instead.

 16.7663, 0.3872,
0.2211


 16.7663, 0.3872,
0.2211


233.8220, 0.3465,
0.2786


 10.0680, 0.3985,
0.2058


 37.9235, 0.3716,
0.2428


 5.4441, 0.4138,
0.1856


 53.1513, 0.3660,
0.2507

 2.5101, 0.4353,
0.1581

 71.9909, 0.3613,
0.2573

 0.8817, 0.4675,
0.1194

 94.8269, 0.3574,
0.2628

 0.0000, 0.5549,
0.0000

 122.0436, 0.3541,
0.2676

 0.0000, 1.0000,
0.0000

154.0254, 0.3512,

 0.0000, 0.0000,

0.2718

0.0000

191.1568, 0.3487,
0.2754

■ 16.7663, 0.3872,
0.2211

■ 16.7663, 0.3872,
0.2211

■ 14.9530, 0.4022,
0.2145

■ 19.3378, 0.3728,
0.2319

■ 13.8059, 0.4173,
0.2127

■ 22.7405, 0.3594,
0.2458

■ 13.1617, 0.4317,
0.2152

■ 27.0413, 0.3473,
0.2617

■ 32.2999, 0.3366,
0.2786

■ 38.5707, 0.3274,
0.2957

■ 45.9040, 0.3195,
0.3125

■ 54.3467, 0.3129,
0.3286

■ 63.9429, 0.3073,
0.3438

■ 74.7344, 0.3026,
0.3579

Harmonies

Analogous

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



16.7663, 0.2605, 0.1754



16.7663, 0.3872, 0.2211



16.7663, 0.5079, 0.2865

Triad

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



16.7663, 0.3872, 0.2211



16.7663, 0.4280, 0.5285



16.7663, 0.1182, 0.2207

Complementary

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



16.7663, 0.3872, 0.2211



40.9468, 0.2809, 0.4830

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.



16.7663, 0.1440, 0.3330



16.7663, 0.3872, 0.2211



16.7663, 0.3198, 0.5685

Square

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



16.7663, 0.3872, 0.2211



16.7663, 0.5169, 0.4433



16.7663, 0.2151, 0.4879



16.7663, 0.1286, 0.1685

Rectangle

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



16.7663, 0.3872, 0.2211



16.7663, 0.5496, 0.3353



16.7663, 0.2151, 0.4879



16.7663, 0.1223, 0.2507

Sweetspot

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



16.7672, 0.3872, 0.2211



67.7826, 0.3283, 0.2939



9.8919, 0.2141, 0.1243



14.1221, 0.3308, 0.2891



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.



16.7672, 0.3872, 0.2211



25.6063, 0.4099, 0.2129



15.2211, 0.5093, 0.3040



10.1869, 0.3189, 0.3140



8.5716, 0.4298, 0.2141



0.3829, 0.3996, 0.1975

Inverse Universe

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



16.7672, 0.3872, 0.2211



25.6063, 0.4099, 0.2129



42.9113, 0.2444, 0.3652



10.1869, 0.3189, 0.3140



8.5716, 0.4298, 0.2141



0.3829, 0.3996, 0.1975

Previews

White Background



This preview shows how the Yxy color 16.7663, 0.3872, 0.2211 looks on a white background.

Color Contrast Check

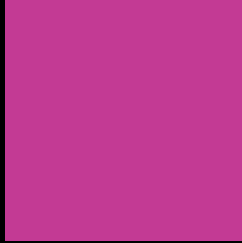
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7663, 0.3872, 0.2211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

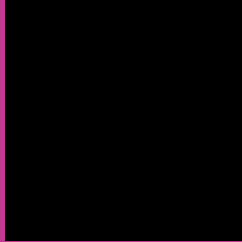
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.7663, 0.3872, 0.2211

Background



This preview shows how black text looks on a background with the Yxy color 16.7663, 0.3872, 0.2211.



This preview shows how white text looks on a background with the Yxy color 16.7663, 0.3872, 0.2211.

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

16.7663, 0.3872, 0.2211

Protanopia

17.1015, 0.2154, 0.1986

Deuteranopia

16.9925, 0.2819, 0.2763



Tritanopia

16.7358, 0.4859, 0.3232

Trichromacy



Original Color

16.7663, 0.3872, 0.2211

Protanomaly

14.9954, 0.2580, 0.1956

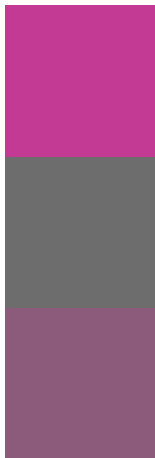
Deuteranomaly

15.4771, 0.3167, 0.2437

Tritanomaly

16.4973, 0.4514, 0.2834

Monochromacy



Original Color

16.7663, 0.3872, 0.2211

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.3178, 0.3410, 0.2706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7663, 0.3872, 0.2211 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, 58, 148)` looks like.

```
.text, #text, p{  
  color:rgb(195, 58, 148)  
}
```

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, 58, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 58, 148) }
```

Border

The CSS property to change the border of an element to Yxy 16.7663, 0.3872, 0.2211 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, 58, 148) }
```

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

```
.border{ border-color:rgb(195, 58, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 58, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 58, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 58, 148);  
box-shadow:4px 4px 4px 4px rgb(195, 58,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7663, 0.3872, 0.2211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 58, 148) }
```

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

```
.background{ background-color: rgb(195, 58,  
148) }
```

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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