

Converting Colors

$Y_{xy}(15.5978, 0.3843, 0.1995)$

Have a look what the booklet for
Yxy(15.5978, 0.3843, 0.1995)
contains.

Yxy(15.5964, 0.3845, 0.1998)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.5964, 0.3845, 0.1998)

Conversions

Conversions Part 1

Format	Color
Hex	C7219B
RGB	199, 33, 155
RGB Percent	78%, 13%, 61%
CMY	0.2196, 0.8705, 0.3921
CMYK	0.00, 0.83, 0.22, 0.22
HSL	316°, 72%, 45%
HSV	316°, 83%, 78%
XYZ	30.0141, 15.5964, 32.4496
YIQ	96.5420, 59.7740, 73.1340

Conversions

Conversions Part 2

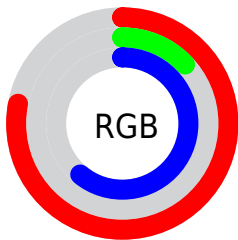
Format	Color
R _Y B	199, 33, 155
Decimal	13050267
CIE Lab	46.44, 71.35, -25.94
CIE LCh	46, 75.914, 340.023
Yxy	15.5964, 0.3845, 0.1998
Android (android.graphics.Color)	4291240347 (0xFFC7219B)
YUV	96.5420, 28.8198, 89.8557
Hunter-Lab	39.4923, 66.5483, -21.0721

Details

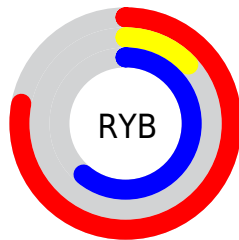
The Yxy color **15.5964, 0.3845, 0.1998** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark muted rose. A complement of this color would be **41.7038, 0.2871, 0.5348**, and the grayscale version is **11.7553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0275, 0.3654, 0.2229**, and **6.5547, 0.3993, 0.1973** is the 20% darker color. If you saturate the color by 10%, you get **14.6263, 0.3952, 0.1981**, and if you desaturate by 10%, it is **17.2280, 0.3736, 0.2063**.

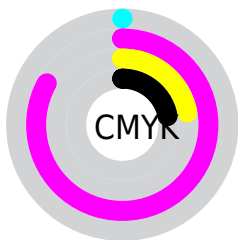
Distribution



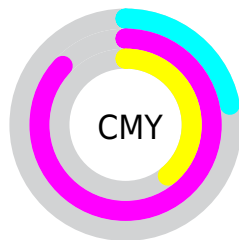
- Red (78%)
- Green (13%)
- Blue (61%)



- Red (78%)
- Yellow (13%)
- Blue (61%)



- Cyan (0%)
- Magenta (83%)
- Yellow (22%)
- Black (22%)





- Cyan (22%)
- Magenta (87%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5964, 0.3845, 0.1998 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 15.5964, 0.3845, 0.1998 by changing the saturation by 10% instead.


 15.5964, 0.3845,
0.1998


 15.5964, 0.3845,
0.1998


 226.9482, 0.3463,
0.2675

 9.2390, 0.3946,
0.1823


 35.8961, 0.3701,
0.2249


 4.8974, 0.4079,
0.1598


 50.6072, 0.3649,
0.2342

 2.1872, 0.4258,
0.1301


 68.8717, 0.3605,
0.2420

 0.7130, 0.4514,
0.0892

 91.0739, 0.3568,
0.2486

 0.0000, 0.5061,
0.0000

 117.5983, 0.3536,
0.2543

 0.0000, 0.6379,
0.0000

 148.8292, 0.3509,

 0.0000, 0.0000,

0.2593

0.0000

185.1510, 0.3485,
0.2636

■ 15.5964, 0.3845,
0.1998

■ 15.5964, 0.3845,
0.1998

■ 14.6263, 0.3952,
0.1981

■ 17.2280, 0.3736,
0.2063

■ 14.2255, 0.4021,
0.1989

■ 19.6190, 0.3628,
0.2172

■ 22.8535, 0.3525,
0.2316

■ 27.0038, 0.3430,
0.2486

■ 32.1343, 0.3343,
0.2669

■ 38.3039, 0.3267,
0.2859

■ 45.5664, 0.3201,
0.3047

■ 53.9723, 0.3145,
0.3230

■ 63.5686, 0.3096,
0.3403

Harmonies

Analogous

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



15.5964, 0.2395, 0.1528



15.5964, 0.3845, 0.1998



15.5964, 0.5333, 0.2690

Triad

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



15.5964, 0.3845, 0.1998



15.5964, 0.4439, 0.5432



15.5964, 0.0954, 0.2083

Complementary

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



15.5964, 0.3845, 0.1998



41.7038, 0.2871, 0.5348

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.



15.5964, 0.1235, 0.3449



15.5964, 0.3845, 0.1998



15.5964, 0.3204, 0.6145

Square

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



15.5964, 0.3845, 0.1998



15.5964, 0.5466, 0.4364



15.5964, 0.2035, 0.5395



15.5964, 0.1046, 0.1491

Rectangle

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



15.5964, 0.3845, 0.1998



15.5964, 0.5857, 0.3199



15.5964, 0.2035, 0.5395



15.5964, 0.0999, 0.2435

Sweetspot

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



15.5972, 0.3845, 0.1998



64.8104, 0.3281, 0.2822



6.6877, 0.1829, 0.0892



13.0300, 0.3308, 0.2754



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.



15.5972, 0.3845, 0.1998



24.8671, 0.4035, 0.1997



13.7311, 0.5398, 0.2924



10.7668, 0.3177, 0.3122



9.1629, 0.4007, 0.1981



0.4454, 0.3806, 0.1870

Inverse Universe

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



15.5972, 0.3845, 0.1998



24.8671, 0.4035, 0.1997



43.6197, 0.2473, 0.3969



10.7668, 0.3177, 0.3122



9.1629, 0.4007, 0.1981



0.4454, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 15.5964, 0.3845, 0.1998 looks on a white background.

Color Contrast Check

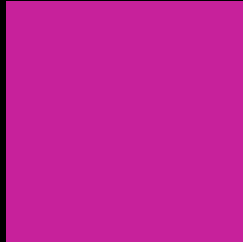
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5964, 0.3845, 0.1998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

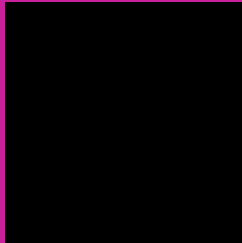
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5964, 0.3845, 0.1998

Background



This preview shows how black text looks on a background with the Yxy color 15.5964, 0.3845, 0.1998.



This preview shows how white text looks on a background with the Yxy color 15.5964, 0.3845, 0.1998.

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

15.5964, 0.3845, 0.1998

Protanopia

16.2087, 0.1879, 0.1632

Deuteranopia

15.8962, 0.2640, 0.2583



Tritanopia

15.6757, 0.5159, 0.3250

Trichromacy



Original Color

15.5964, 0.3845, 0.1998

Protanomaly

12.6497, 0.2227, 0.1550

Deuteranomaly

13.4581, 0.3023, 0.2159

Tritanomaly

15.2938, 0.4716, 0.2746

Monochromacy



Original Color

15.5964, 0.3845, 0.1998

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.2739, 0.3431, 0.2488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5964, 0.3845, 0.1998 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(199, 33, 155)` looks like.

```
.text, #text, p{  
    color:rgb(199, 33, 155)  
}
```

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(199, 33, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 33, 155) }
```

Border

The CSS property to change the border of an element to Yxy 15.5964, 0.3845, 0.1998 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(199, 33, 155) }
```

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

```
.border{ border-color:rgb(199, 33, 155) }
```

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

Here you see how a box with a 4 pixel rgb(199, 33, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 33, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 33, 155);  
box-shadow:4px 4px 4px 4px rgb(199, 33,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5964, 0.3845, 0.1998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 33, 155) }
```

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

```
.background{ background-color: rgb(199, 33,  
155) }
```

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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