

Converting Colors

$Yxy(13.7353, 0.4335, 0.2162)$

Have a look what the booklet for
Yxy(13.7353, 0.4335, 0.2162)
contains.

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Color

Yxy(13.7538, 0.4333, 0.2161)

Conversions

Conversions Part 1

Format	Color
Hex	C70082
RGB	199, 0, 130
RGB Percent	78%, 0%, 51%
CMY	0.2197, 0.9993, 0.4903
CMYK	0.00, 1.00, 0.35, 0.22
HSL	321°, 100%, 39%
HSV	321°, 100%, 78%
XYZ	27.5776, 13.7538, 22.3141
YIQ	74.3210, 76.8740, 82.6180

Conversions

Conversions Part 2

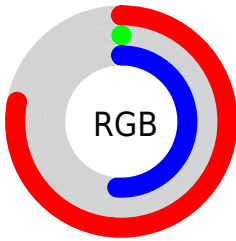
Format	Color
RYB	199, 0, 130
Decimal	13041794
CIELab	43.88, 72.92, -14.68
CIElCh	44, 74.380, 348.619
Yxy	13.7538, 0.4333, 0.2161
Android (android.graphics.Color)	4291231874 (0xFFC70082)
YUV	74.3210, 27.4497, 109.3435
Hunter-Lab	37.0861, 67.8337, -9.7136

Details

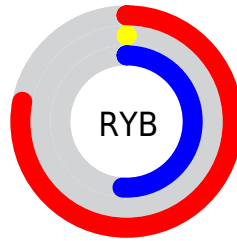
The Yxy color **13.7538, 0.4333, 0.2161** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **41.2709, 0.2857, 0.5483**, and the grayscale version is **6.8662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6583, 0.4005, 0.2380**, and **6.0830, 0.4572, 0.2292** is the 20% darker color. If you saturate the color by 10%, you get **13.7490, 0.4334, 0.2161**, and if you desaturate by 10%, it is **14.4454, 0.4183, 0.2135**.

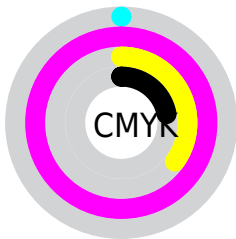
Distribution



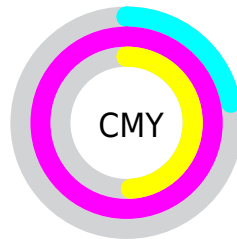
- Red (78%)
- Green (0%)
- Blue (51%)



- Red (78%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (22%)




- Cyan (22%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7538, 0.4333, 0.2161 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 13.7538, 0.4333, 0.2161 by changing the saturation by 10% instead.


 13.7538, 0.4333,
0.2161


 13.7538, 0.4333,
0.2161


215.6938, 0.3644,
0.2782


 7.9496, 0.4538,
0.1988


 32.6515, 0.4059,
0.2400


 4.0627, 0.4824,
0.1757


 46.5139, 0.3964,
0.2486

 1.7087, 0.5245,
0.1436

 63.8311, 0.3886,
0.2557

 0.4293, 0.5996,
0.0849

 84.9876, 0.3821,
0.2616

 0.0000, 0.8026,
0.0000

 110.3677, 0.3766,
0.2667

 0.0000, 1.0000,
0.0000

 140.3558, 0.3719,

 0.0000, 0.0000,

0.2710

0.0000

175.3364, 0.3679,
0.2748

■ 13.7538, 0.4333,
0.2161

■ 13.7538, 0.4333,
0.2161

■ 13.7490, 0.4334,
0.2161

■ 14.4454, 0.4183,
0.2135

■ 15.6627, 0.4030,
0.2152

■ 17.5826, 0.3877,
0.2219

■ 20.2986, 0.3731,
0.2328

■ 23.8896, 0.3595,
0.2467

■ 28.4250, 0.3473,
0.2625

■ 33.9674, 0.3366,
0.2794

■ 40.5738, 0.3273,
0.2965

■ 48.2968, 0.3193,
0.3132

Harmonies

Analogous

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



13.7538, 0.2752, 0.1609



13.7538, 0.4333, 0.2161



13.7538, 0.5671, 0.2892

Triad

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



13.7538, 0.4333, 0.2161



13.7538, 0.4094, 0.5755



13.7538, 0.0919, 0.1823

Complementary

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



13.7538, 0.4333, 0.2161



41.2709, 0.2857, 0.5483

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.



13.7538, 0.1076, 0.2949



13.7538, 0.4333, 0.2161



13.7538, 0.2835, 0.6196

Square

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



13.7538, 0.4333, 0.2161



13.7538, 0.5253, 0.4682



13.7538, 0.1722, 0.4906



13.7538, 0.1106, 0.1388

Rectangle

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



13.7538, 0.4333, 0.2161



13.7538, 0.5967, 0.3414



13.7538, 0.1722, 0.4906



13.7538, 0.0929, 0.2101

Sweetspot

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



13.7546, 0.4333, 0.2161



58.9265, 0.3371, 0.2785



5.3004, 0.1742, 0.0733



11.6852, 0.3415, 0.2712



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.



13.7546, 0.4333, 0.2161



24.0314, 0.4355, 0.2173



12.2549, 0.6164, 0.3170



10.7517, 0.3190, 0.3140



8.8599, 0.4315, 0.2151



0.4328, 0.4028, 0.1993

Inverse Universe

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



13.7546, 0.4333, 0.2161



24.0314, 0.4355, 0.2173



43.5865, 0.2397, 0.3828



10.7517, 0.3190, 0.3140



8.8599, 0.4315, 0.2151



0.4328, 0.4028, 0.1993

Previews

White Background



This preview shows how the Yxy color 13.7538, 0.4333, 0.2161 looks on a white background.

Color Contrast Check

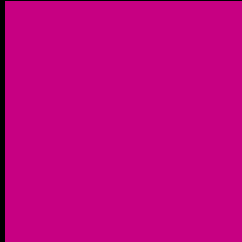
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7538, 0.4333, 0.2161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

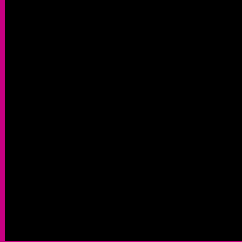
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7538, 0.4333, 0.2161

Background



This preview shows how black text looks on a background with the Yxy color 13.7538, 0.4333, 0.2161.



This preview shows how white text looks on a background with the Yxy color 13.7538, 0.4333, 0.2161.

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

13.7538, 0.4333, 0.2161

Protanopia

14.5109, 0.2044, 0.1835

Deuteranopia

14.3322, 0.2980, 0.2923



Tritanopia

14.0940, 0.5600, 0.3279

Trichromacy



Original Color

13.7538, 0.4333, 0.2161



Protanomaly

10.3626, 0.2520, 0.1629



Deuteranomaly

11.1024, 0.3475, 0.2305



Tritanomaly

13.4176, 0.5244, 0.2838

Monochromacy



Original Color

13.7538, 0.4333, 0.2161



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

6.7631, 0.3704, 0.2353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7538, 0.4333, 0.2161 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, 0, 130)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 130)  
}
```

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, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 130) }
```

Border

The CSS property to change the border of an element to Yxy 13.7538, 0.4333, 0.2161 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, 0, 130) }
```

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

```
.border{ border-color:rgb(199, 0, 130) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7538, 0.4333, 0.2161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 130) }
```

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

```
.background{ background-color: rgb(199, 0,  
130) }
```

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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