

Converting Colors

$Y_{xy}(13.5033, 0.3879, 0.2239)$

Have a look what the booklet for
Yxy(13.5033, 0.3879, 0.2239)
contains.

Yxy(13.5619, 0.3871, 0.2238)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.5619, 0.3871, 0.2238)

Conversions

Conversions Part 1

Format	Color
Hex	B03685
RGB	176, 54, 133
RGB Percent	69%, 21%, 52%
CMY	0.3098, 0.7882, 0.4784
CMYK	0.00, 0.69, 0.24, 0.31
HSL	321°, 53%, 45%
HSV	321°, 69%, 69%
XYZ	23.4576, 13.5619, 23.5788
YIQ	99.4840, 47.3530, 50.4330

Conversions

Conversions Part 2

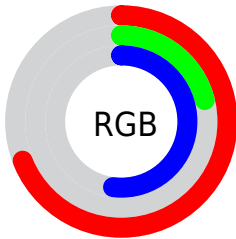
Format	Color
R_{YB}	176, 54, 133
Decimal	11548293
CIE _{Lab}	43.60, 56.74, -17.35
CIE _{LCh}	44, 59.335, 343.001
Yxy	13.5619, 0.3871, 0.2238
Android (android.graphics.Color)	4289738373 (0xFFB03685)
YUV	99.4840, 16.5234, 67.1045
Hunter-Lab	36.8265, 49.2539, -12.1829

Details

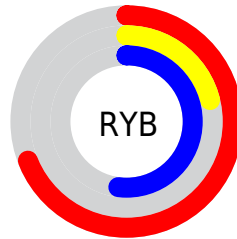
The Yxy color **13.5619, 0.3871, 0.2238** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **32.6962, 0.2803, 0.4773**, and the grayscale version is **12.5555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3592, 0.3712, 0.2467**, and **4.5465, 0.4113, 0.2039** is the 20% darker color. If you saturate the color by 10%, you get **12.0438, 0.4025, 0.2167**, and if you desaturate by 10%, it is **15.6841, 0.3724, 0.2349**.

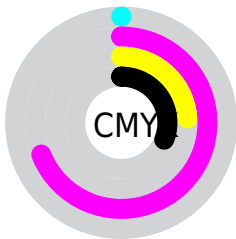
Distribution



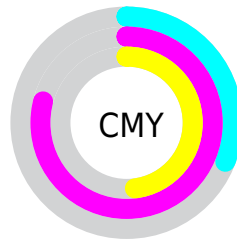
- Red (69%)
- Green (21%)
- Blue (52%)



- Red (69%)
- Yellow (21%)
- Blue (52%)



- Cyan (0%)
- Magenta (69%)
- Yellow (24%)
- Black (31%)





- Cyan (31%)
- Magenta (79%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5619, 0.3871, 0.2238 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 13.5619, 0.3871, 0.2238 by changing the saturation by 10% instead.


 13.5619, 0.3871,
0.2238


 13.5619, 0.3871,
0.2238


214.4881, 0.3450,
0.2819


 7.8166, 0.3995,
0.2074


 32.3096, 0.3705,
0.2463

 3.9778, 0.4167,
0.1853


 46.0809, 0.3647,
0.2543

 1.6612, 0.4419,
0.1542

 63.2962, 0.3599,
0.2609

 0.3983, 0.4912,
0.0914

 84.3400, 0.3559,
0.2665

 0.0000, 0.6173,
0.0000

 109.5967, 0.3526,
0.2712

 0.0000, 0.0000,
0.0000

139.4507, 0.3497,

0.2752

174.2864, 0.3472,
0.2788

■ 13.5619, 0.3871,
0.2238

■ 13.5619, 0.3871,
0.2238

■ 12.0438, 0.4025,
0.2167

■ 15.6841, 0.3724,
0.2349

■ 11.0600, 0.4180,
0.2144

■ 18.4660, 0.3589,
0.2488

■ 10.4803, 0.4332,
0.2164

■ 21.9591, 0.3467,
0.2646

■ 10.4444, 0.4343,
0.2166

■ 26.2092, 0.3360,
0.2812

■ 31.2581, 0.3268,
0.2980

■ 37.1449, 0.3189,
0.3144

■ 43.9058, 0.3123,
0.3300

■ 51.5750, 0.3067,
0.3448

■ 60.1847, 0.3021,
0.3585

Harmonies

Analogous

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



13.5619, 0.2629, 0.1783



13.5619, 0.3871, 0.2238



13.5619, 0.5044, 0.2886

Triad

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



13.5619, 0.3871, 0.2238



13.5619, 0.4260, 0.5260



13.5619, 0.1214, 0.2225

Complementary

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



13.5619, 0.3871, 0.2238



32.6962, 0.2803, 0.4773

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.



13.5619, 0.1468, 0.3319



13.5619, 0.3871, 0.2238



13.5619, 0.3196, 0.5623

Square

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



13.5619, 0.3871, 0.2238



13.5619, 0.5130, 0.4436



13.5619, 0.2167, 0.4820



13.5619, 0.1319, 0.1712

Rectangle

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



13.5619, 0.3871, 0.2238



13.5619, 0.5448, 0.3370



13.5619, 0.2167, 0.4820



13.5619, 0.1255, 0.2518

Sweetspot

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



13.5626, 0.3871, 0.2238



54.6921, 0.3286, 0.2946



8.2985, 0.2186, 0.1291



11.3061, 0.3310, 0.2901



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



13.5626, 0.3871, 0.2238



20.8151, 0.4104, 0.2149



12.3405, 0.5071, 0.3067



8.5949, 0.3189, 0.3144



7.6751, 0.4328, 0.2158



0.2521, 0.3943, 0.1946

Inverse Universe

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



13.5626, 0.3871, 0.2238



20.8151, 0.4104, 0.2149



34.2916, 0.2439, 0.3606



8.5949, 0.3189, 0.3144



7.6751, 0.4328, 0.2158



0.2521, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 13.5619, 0.3871, 0.2238 looks on a white background.

Color Contrast Check

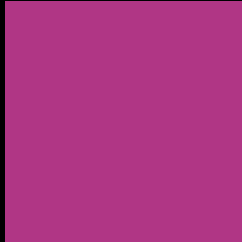
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5619, 0.3871, 0.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

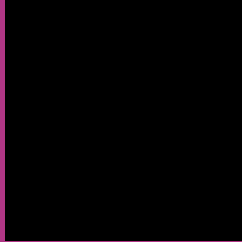
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5619, 0.3871, 0.2238

Background



This preview shows how black text looks on a background with the Yxy color 13.5619, 0.3871, 0.2238.



This preview shows how white text looks on a background with the Yxy color 13.5619, 0.3871, 0.2238.

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

13.5619, 0.3871, 0.2238

Protanopia

13.9451, 0.2190, 0.2040

Deuteranopia

13.8927, 0.2840, 0.2796



Tritanopia

13.5462, 0.4822, 0.3225

Trichromacy



Original Color

13.5619, 0.3871, 0.2238

Protanomaly

12.4080, 0.2613, 0.2019

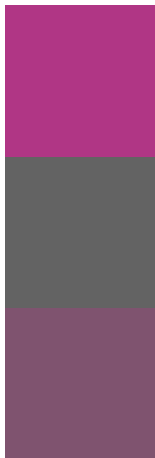
Deuteranomaly

12.8278, 0.3180, 0.2485

Tritanomaly

13.3956, 0.4496, 0.2843

Monochromacy



Original Color

13.5619, 0.3871, 0.2238

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

11.8462, 0.3413, 0.2748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5619, 0.3871, 0.2238 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(176, 54, 133)` looks like.

```
.text, #text, p{  
    color:rgb(176, 54, 133)  
}
```

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(176, 54, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 54, 133) }
```

Border

The CSS property to change the border of an element to Yxy 13.5619, 0.3871, 0.2238 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(176, 54, 133) }
```

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

```
.border{ border-color:rgb(176, 54, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 54, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 54, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 54, 133);  
box-shadow:4px 4px 4px 4px rgb(176, 54,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5619, 0.3871, 0.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 54, 133) }
```

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

```
.background{ background-color: rgb(176, 54,  
133) }
```

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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