

Converting Colors

$Y_{xy}(13.0238, 0.3417, 0.1782)$

Have a look what the booklet for
Yxy(13.0238, 0.3417, 0.1782)
contains.

Yxy(13.0054, 0.3423, 0.1785)	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(13.0054, 0.3423, 0.1785)

Conversions

Conversions Part 1

Format	Color
Hex	B023A1
RGB	176, 35, 161
RGB Percent	69%, 14%, 63%
CMY	0.3098, 0.8628, 0.3686
CMYK	0.00, 0.80, 0.09, 0.31
HSL	306°, 67%, 41%
HSV	306°, 80%, 69%
XYZ	24.9398, 13.0054, 34.9142
YIQ	91.5230, 43.5900, 69.0780

Conversions

Conversions Part 2

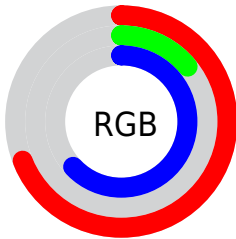
Format	Color
R_{YB}	176, 35, 161
Decimal	11543457
CIE _{Lab}	42.77, 66.78, -35.56
CIE _{LCh}	43, 75.656, 331.963
Yxy	13.0054, 0.3423, 0.1785
Android (android.graphics.Color)	4289733537 (0xFFB023A1)
YUV	91.5230, 34.2522, 74.0863
Hunter-Lab	36.0630, 60.3334, -32.1572

Details

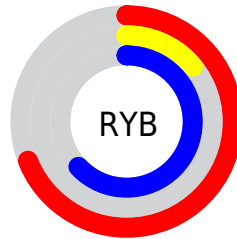
The Yxy color **13.0054, 0.3423, 0.1785** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **31.6413, 0.2963, 0.5583**, and the grayscale version is **10.4998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3554, 0.3386, 0.2081**, and **5.0261, 0.3423, 0.1660** is the 20% darker color. If you saturate the color by 10%, you get **12.1519, 0.3461, 0.1725**, and if you desaturate by 10%, it is **14.3804, 0.3383, 0.1888**.

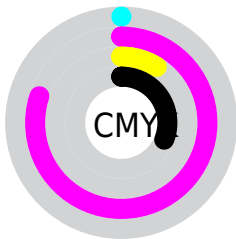
Distribution



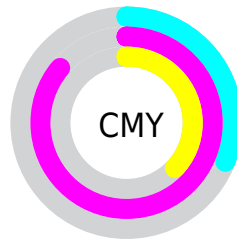
- Red (69%)
- Green (14%)
- Blue (63%)



- Red (69%)
- Yellow (14%)
- Blue (63%)



- Cyan (0%)
- Magenta (80%)
- Yellow (9%)
- Black (31%)





- Cyan (31%)
- Magenta (86%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0054, 0.3423, 0.1785 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 13.0054, 0.3423, 0.1785 by changing the saturation by 10% instead.


 13.0054, 0.3423,
0.1785


 13.0054, 0.3423,
0.1785


210.9523, 0.3292,
0.2573


 7.4323, 0.3445,
0.1584


 31.3135, 0.3382,
0.2076

 3.7339, 0.3465,
0.1330


 44.8172, 0.3364,
0.2184

 1.5258, 0.3471,
0.1003

 61.7333, 0.3348,
0.2275

 0.3068, 0.3488,
0.0437

 82.4461, 0.3334,
0.2353

 0.0000, 0.3292,
0.0000

 107.3400, 0.3322,
0.2419

 0.0000, 0.0000,
0.0000

 136.7994, 0.3311,

0.2477

171.2087, 0.3301,
0.2528

■ 13.0054, 0.3423,
0.1785

■ 13.0054, 0.3423,
0.1785

■ 12.1519, 0.3461,
0.1725

■ 14.3804, 0.3383,
0.1888

■ 11.6748, 0.3496,
0.1699

■ 16.3434, 0.3341,
0.2032

■ 18.9532, 0.3300,
0.2209

■ 22.2611, 0.3260,
0.2410

■ 26.3129, 0.3222,
0.2627

■ 31.1507, 0.3187,
0.2850

■ 36.8136, 0.3156,
0.3072

■ 43.3379, 0.3127,
0.3288

■ 50.7577, 0.3103,
0.3493

Harmonies

Analogous

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



13.0054, 0.2044, 0.1385



13.0054, 0.3423, 0.1785



13.0054, 0.5090, 0.2446

Triad

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



13.0054, 0.3423, 0.1785



13.0054, 0.4796, 0.5204



13.0054, 0.0909, 0.2297

Complementary

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



13.0054, 0.3423, 0.1785



31.6413, 0.2963, 0.5583

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.



13.0054, 0.1311, 0.3996



13.0054, 0.3423, 0.1785



13.0054, 0.3504, 0.6178

Square

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



13.0054, 0.3423, 0.1785



13.0054, 0.5760, 0.4087



13.0054, 0.2263, 0.5962



13.0054, 0.0918, 0.1521

Rectangle

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



13.0054, 0.3423, 0.1785



13.0054, 0.5844, 0.2953



13.0054, 0.2263, 0.5962



13.0054, 0.0987, 0.2748

Sweetspot

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



13.0060, 0.3423, 0.1785



52.5372, 0.3202, 0.2753



4.9920, 0.1727, 0.0888



10.7355, 0.3214, 0.2676



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.



13.0060, 0.3423, 0.1785



21.3985, 0.3487, 0.1707



11.1951, 0.4783, 0.2623



8.6308, 0.3153, 0.3089



8.5703, 0.3492, 0.1698



0.2741, 0.3404, 0.1649

Inverse Universe

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



13.0060, 0.3423, 0.1785



21.3985, 0.3487, 0.1707



32.7574, 0.2602, 0.4352



8.6308, 0.3153, 0.3089



8.5703, 0.3492, 0.1698



0.2741, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 13.0054, 0.3423, 0.1785 looks on a white background.

Color Contrast Check

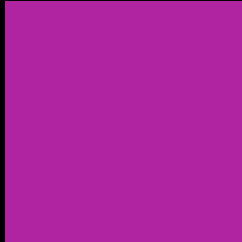
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0054, 0.3423, 0.1785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

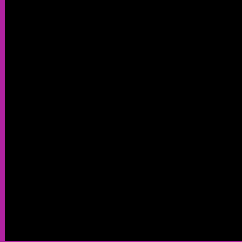
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0054, 0.3423, 0.1785

Background



This preview shows how black text looks on a background with the Yxy color 13.0054, 0.3423, 0.1785.



This preview shows how white text looks on a background with the Yxy color 13.0054, 0.3423, 0.1785.

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

13.0054, 0.3423, 0.1785

Protanopia

13.3388, 0.1739, 0.1461

Deuteranopia

13.2798, 0.2331, 0.2272



Tritanopia

13.0902, 0.4788, 0.3237

Trichromacy



Original Color

13.0054, 0.3423, 0.1785



Protanomaly

9.9279, 0.1883, 0.1322



Deuteranomaly

11.3192, 0.2636, 0.1908



Tritanomaly

12.5129, 0.4290, 0.2600

Monochromacy



Original Color

13.0054, 0.3423, 0.1785



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.0018, 0.3271, 0.2400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0054, 0.3423, 0.1785 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, 35, 161)` looks like.

```
.text, #text, p{  
    color:rgb(176, 35, 161)  
}
```

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, 35, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 35, 161) }
```

Border

The CSS property to change the border of an element to Yxy 13.0054, 0.3423, 0.1785 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, 35, 161) }
```

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

```
.border{ border-color:rgb(176, 35, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 35, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 35, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 35, 161);  
box-shadow:4px 4px 4px 4px rgb(176, 35,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0054, 0.3423, 0.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 35, 161) }
```

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

```
.background{ background-color: rgb(176, 35,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor