

Converting Colors

$Y_{xy}(13.4883, 0.3061, 0.1738)$

Have a look what the booklet for
Yxy(13.4883, 0.3061, 0.1738)
contains.

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Color

Yxy(13.4883, 0.3061, 0.1738)

Conversions

Conversions Part 1

Format	Color
Hex	A238AC
RGB	162, 56, 172
RGB Percent	64%, 22%, 67%
CMY	0.3648, 0.7803, 0.3256
CMYK	0.06, 0.67, 0.00, 0.33
HSL	295°, 51%, 45%
HSV	295°, 67%, 67%
XYZ	23.7559, 13.4883, 40.3640
YIQ	100.9180, 25.9400, 58.5480

Conversions

Conversions Part 2

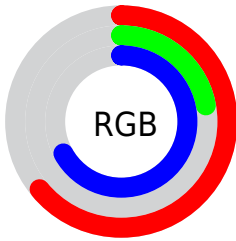
Format	Color
R_{YB}	162, 56, 172
Decimal	10631340
CIE _{Lab}	43.49, 58.53, -41.10
CIE _{LCh}	43, 71.523, 324.922
Yxy	13.4883, 0.3061, 0.1738
Android (android.graphics.Color)	4288821420 (0xFFA238AC)
YUV	100.9180, 35.0434, 53.5689
Hunter-Lab	36.7264, 51.1885, -39.4539

Details

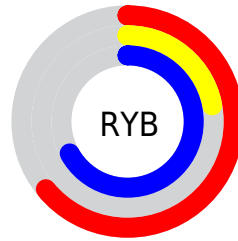
The Yxy color **13.4883, 0.3061, 0.1738** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **30.9369, 0.3084, 0.5387**, and the grayscale version is **12.8979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1860, 0.3106, 0.2032**, and **4.4577, 0.2966, 0.1408** is the 20% darker color. If you saturate the color by 10%, you get **11.9435, 0.3042, 0.1596**, and if you desaturate by 10%, it is **15.6087, 0.3078, 0.1919**.

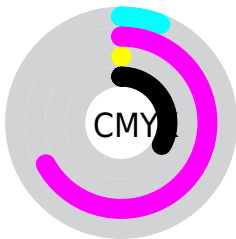
Distribution



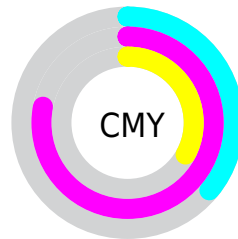
- Red (64%)
- Green (22%)
- Blue (67%)



- Red (64%)
- Yellow (22%)
- Blue (67%)



- Cyan (6%)
- Magenta (67%)
- Yellow (0%)
- Black (33%)





- Cyan (36%)
- Magenta (78%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4883, 0.3061, 0.1738 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 13.4883, 0.3061, 0.1738 by changing the saturation by 10% instead.


 13.4883, 0.3061,
0.1738


 13.4883, 0.3061,
0.1738


214.0238, 0.3138,
0.2544


 7.7656, 0.3022,
0.1536


 32.1783, 0.3102,
0.2034


 3.9454, 0.2958,
0.1282


 45.9144, 0.3114,
0.2144


 1.6430, 0.2847,
0.0961

 63.0905, 0.3122,
0.2237

 0.3864, 0.2665,
0.0468

 84.0909, 0.3127,
0.2317

 0.0000, 0.2236,
0.0000

 109.3000, 0.3132,
0.2386

 0.0000, 0.0000,
0.0000

139.1023, 0.3135,

0.2445

173.8821, 0.3137,
0.2498

■ 13.4883, 0.3061,
0.1738

■ 13.4883, 0.3061,
0.1738

■ 11.9435, 0.3042,
0.1596

■ 15.6087, 0.3078,
0.1919

■ 10.9109, 0.3022,
0.1497

■ 18.3557, 0.3092,
0.2131

■ 10.2967, 0.3000,
0.1437

■ 21.7767, 0.3104,
0.2365

■ 10.1616, 0.2995,
0.1423

■ 25.9141, 0.3114,
0.2613

■ 30.8068, 0.3120,
0.2864

■ 36.4907, 0.3125,
0.3112

■ 42.9998, 0.3128,
0.3351

■ 50.3658, 0.3129,
0.3576

■ 58.6188, 0.3128,
0.3786

Harmonies

Analogous

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



13.4883, 0.1878, 0.1416



13.4883, 0.3061, 0.1738



13.4883, 0.4627, 0.2333

Triad

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



13.4883, 0.3061, 0.1738



13.4883, 0.5008, 0.4897



13.4883, 0.1055, 0.2663

Complementary

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



13.4883, 0.3061, 0.1738



30.9369, 0.3084, 0.5387

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.



13.4883, 0.1586, 0.4430



13.4883, 0.3061, 0.1738



13.4883, 0.3830, 0.5863

Square

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



13.4883, 0.3061, 0.1738



13.4883, 0.5775, 0.3890



13.4883, 0.2614, 0.5984



13.4883, 0.0973, 0.1730

Rectangle

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



13.4883, 0.3061, 0.1738



13.4883, 0.5484, 0.2820



13.4883, 0.2614, 0.5984



13.4883, 0.1173, 0.3167

Sweetspot

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



13.4889, 0.3061, 0.1738



53.1520, 0.3119, 0.2790



7.9085, 0.1885, 0.1341



11.0216, 0.3117, 0.2722



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



13.4889, 0.3061, 0.1738



20.6240, 0.3032, 0.1541



13.0945, 0.3942, 0.2329



8.1125, 0.3124, 0.3066



7.5770, 0.2997, 0.1425



0.2208, 0.3066, 0.1462

Inverse Universe

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



11.9922, 0.5127, 0.3169



17.9211, 0.5781, 0.3189



31.3014, 0.2771, 0.4615



8.0261, 0.3273, 0.3271



6.5557, 0.6284, 0.3235



0.1859, 0.5833, 0.2987

Previews

White Background



This preview shows how the Yxy color 13.4883, 0.3061, 0.1738 looks on a white background.

Color Contrast Check

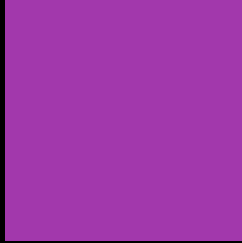
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4883, 0.3061, 0.1738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

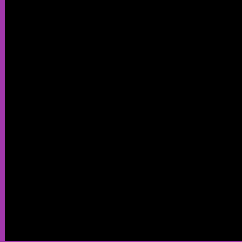
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4883, 0.3061, 0.1738

Background



This preview shows how black text looks on a background with the Yxy color 13.4883, 0.3061, 0.1738.



This preview shows how white text looks on a background with the Yxy color 13.4883, 0.3061, 0.1738.

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

13.4883, 0.3061, 0.1738

Protanopia

13.8678, 0.1741, 0.1469

Deuteranopia

13.8462, 0.2170, 0.2130



Tritanopia

13.5832, 0.4193, 0.3191

Trichromacy



Original Color

13.4883, 0.3061, 0.1738



Protanomaly

11.3017, 0.1868, 0.1403



Deuteranomaly

12.4900, 0.2399, 0.1876



Tritanomaly

13.1649, 0.3767, 0.2553

Monochromacy



Original Color

13.4883, 0.3061, 0.1738



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.2403, 0.3104, 0.2492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4883, 0.3061, 0.1738 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(162, 56, 172)` looks like.

```
.text, #text, p{  
    color:rgb(162, 56, 172)  
}
```

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(162, 56, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 56, 172) }
```

Border

The CSS property to change the border of an element to Yxy 13.4883, 0.3061, 0.1738 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(162, 56, 172) }
```

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

```
.border{ border-color:rgb(162, 56, 172) }
```

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

Here you see how a box with a 4 pixel rgb(162, 56, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 56, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 56, 172);  
box-shadow:4px 4px 4px 4px rgb(162, 56,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4883, 0.3061, 0.1738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 56, 172) }
```

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

```
.background{ background-color: rgb(162, 56,  
172) }
```

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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