

Converting Colors

$Y_{xy}(13.8382, 0.3457, 0.2182)$

Have a look what the booklet for
Yxy(13.8382, 0.3457, 0.2182)
contains.

Yxy(13.7988, 0.3468, 0.2183)	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(13.7988, 0.3468, 0.2183)

Conversions

Conversions Part 1

Format	Color
Hex	A2448F
RGB	162, 68, 143
RGB Percent	64%, 27%, 56%
CMY	0.3648, 0.7332, 0.4393
CMYK	0.00, 0.58, 0.12, 0.36
HSL	312°, 41%, 45%
HSV	312°, 58%, 64%
XYZ	21.9213, 13.7988, 27.4901
YIQ	104.6560, 31.9490, 43.2530

Conversions

Conversions Part 2

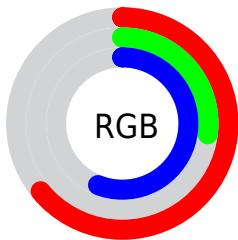
Format	Color
R_{YB}	162, 68, 143
Decimal	10634383
CIE _{Lab}	43.94, 48.25, -23.06
CIE _{LCh}	44, 53.479, 334.461
Yxy	13.7988, 0.3468, 0.2183
Android (android.graphics.Color)	4288824463 (0xFFA2448F)
YUV	104.6560, 18.9036, 50.2907
Hunter-Lab	37.1467, 40.3310, -17.8744

Details

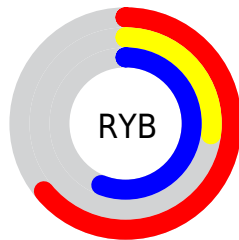
The Yxy color **13.7988, 0.3468, 0.2183** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **27.7514, 0.2922, 0.4764**, and the grayscale version is **13.9725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7660, 0.3402, 0.2416**, and **4.0505, 0.3571, 0.1792** is the 20% darker color. If you saturate the color by 10%, you get **12.0049, 0.3545, 0.2043**, and if you desaturate by 10%, it is **16.1382, 0.3394, 0.2352**.

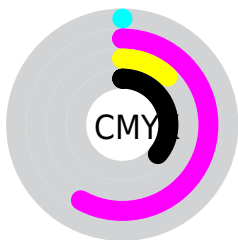
Distribution



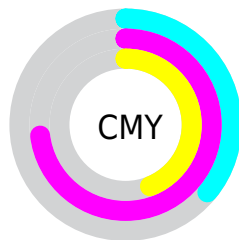
- Red (64%)
- Green (27%)
- Blue (56%)



- Red (64%)
- Yellow (27%)
- Blue (56%)



- Cyan (0%)
- Magenta (58%)
- Yellow (12%)
- Black (36%)




- Cyan (36%)
- Magenta (73%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7988, 0.3468, 0.2183 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 13.7988, 0.3468, 0.2183 by changing the saturation by 10% instead.


 13.7988, 0.3468,
0.2183


 13.7988, 0.3468,
0.2183


215.9755, 0.3289,
0.2788

 7.9809, 0.3514,
0.2015


 32.7316, 0.3402,
0.2415


 4.0827, 0.3572,
0.1791


 46.6153, 0.3377,
0.2499

 1.7199, 0.3646,
0.1479

 63.9563, 0.3356,
0.2568

 0.4365, 0.3787,
0.0899

 85.1390, 0.3339,
0.2626

 0.0000, 0.3801,
0.0000

 110.5479, 0.3324,
0.2676

 0.0000, 0.0000,
0.0000

140.5674, 0.3311,

0.2718

175.5818, 0.3299,
0.2756

■ 13.7988, 0.3468,
0.2183

■ 13.7988, 0.3468,
0.2183

■ 12.0049, 0.3545,
0.2043

■ 16.1382, 0.3394,
0.2352

■ 10.7088, 0.3624,
0.1941

■ 19.0618, 0.3326,
0.2540

■ 9.8578, 0.3701,
0.1882

■ 22.6071, 0.3264,
0.2739

■ 9.3582, 0.3776,
0.1864

■ 26.8076, 0.3209,
0.2940

■ 9.2705, 0.3791,
0.1862

■ 31.6948, 0.3161,
0.3137

■ 37.2978, 0.3119,
0.3327

■ 43.6443, 0.3084,
0.3507

■ 50.7604, 0.3053,
0.3675

■ 58.6709, 0.3028,
0.3830

Harmonies

Analogous

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



13.7988, 0.2415, 0.1823



13.7988, 0.3468, 0.2183



13.7988, 0.4595, 0.2754

Triad

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



13.7988, 0.3468, 0.2183



13.7988, 0.4462, 0.4929



13.7988, 0.1392, 0.2568

Complementary

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



13.7988, 0.3468, 0.2183



27.7514, 0.2922, 0.4764

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.



13.7988, 0.1759, 0.3703



13.7988, 0.3468, 0.2183



13.7988, 0.3518, 0.5378

Square

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



13.7988, 0.3468, 0.2183



13.7988, 0.5132, 0.4178



13.7988, 0.2528, 0.4946



13.7988, 0.1393, 0.1940

Rectangle

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



13.7988, 0.3468, 0.2183



13.7988, 0.5107, 0.3202



13.7988, 0.2528, 0.4946



13.7988, 0.1470, 0.2892

Sweetspot

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



13.7995, 0.3468, 0.2183



49.2441, 0.3206, 0.2953



8.7628, 0.2214, 0.1552



10.7113, 0.3215, 0.2915



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



13.7995, 0.3468, 0.2183



20.9204, 0.3571, 0.2005



12.6651, 0.4308, 0.2858



7.1775, 0.3167, 0.3112



7.3119, 0.3785, 0.1859



0.1595, 0.3542, 0.1725

Inverse Universe

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



13.7995, 0.3468, 0.2183



20.9204, 0.3571, 0.2005



28.7785, 0.2599, 0.3818



7.1775, 0.3167, 0.3112



7.3119, 0.3785, 0.1859



0.1595, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 13.7988, 0.3468, 0.2183 looks on a white background.

Color Contrast Check

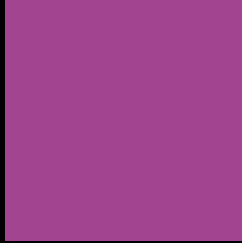
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7988, 0.3468, 0.2183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

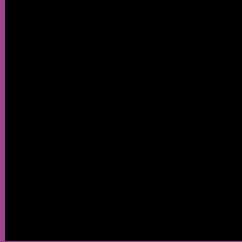
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7988, 0.3468, 0.2183

Background



This preview shows how black text looks on a background with the Yxy color 13.7988, 0.3468, 0.2183.



This preview shows how white text looks on a background with the Yxy color 13.7988, 0.3468, 0.2183.

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

13.7988, 0.3468, 0.2183

Protanopia

14.0208, 0.2178, 0.2014

Deuteranopia

14.0480, 0.2649, 0.2603



Tritanopia

13.8071, 0.4278, 0.3195

Trichromacy



Original Color

13.7988, 0.3468, 0.2183



Protanomaly

13.0737, 0.2514, 0.2020



Deuteranomaly

13.2414, 0.2915, 0.2383



Tritanomaly

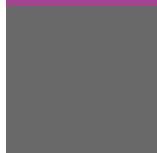
13.6596, 0.3978, 0.2792

Monochromacy



Original Color

13.7988, 0.3468, 0.2183



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.4218, 0.3257, 0.2773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7988, 0.3468, 0.2183 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, 68, 143)` looks like.

```
.text, #text, p{  
    color:rgb(162, 68, 143)  
}
```

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, 68, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 68, 143) }
```

Border

The CSS property to change the border of an element to Yxy 13.7988, 0.3468, 0.2183 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, 68, 143) }
```

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

```
.border{ border-color:rgb(162, 68, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 68, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 68, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 68, 143);  
box-shadow:4px 4px 4px 4px rgb(162, 68,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7988, 0.3468, 0.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 68, 143) }
```

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

```
.background{ background-color: rgb(162, 68,  
143) }
```

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