

Converting Colors

$Y_{xy}(13.6752, 0.4420, 0.2871)$

Have a look what the booklet for
Yxy(13.6752, 0.4420, 0.2871)
contains.

Yxy(13.6552, 0.4424, 0.2874)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.6552, 0.4424, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	AB4461
RGB	171, 68, 97
RGB Percent	67%, 27%, 38%
CMY	0.3294, 0.7333, 0.6196
CMYK	0.00, 0.60, 0.43, 0.33
HSL	343°, 43%, 47%
HSV	343°, 60%, 67%
XYZ	21.0197, 13.6552, 12.8380
YIQ	102.1030, 52.0790, 30.8550

Conversions

Conversions Part 2

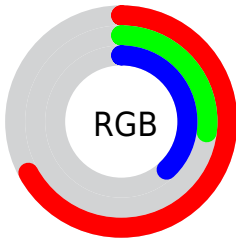
Format	Color
R_{YB}	171, 68, 97
Decimal	11224161
CIE Lab	43.73, 44.89, 4.92
CIE LCh	44, 45.159, 6.253
Yxy	13.6552, 0.4424, 0.2874
Android (android.graphics.Color)	4289414241 (0xFFAB4461)
YUV	102.1030, -2.5158, 60.4227
Hunter-Lab	36.9529, 36.8673, 5.2689

Details

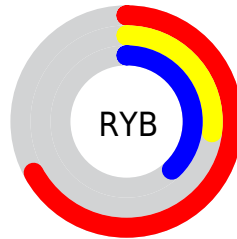
The Yxy color **13.6552, 0.4424, 0.2874** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **32.3084, 0.2574, 0.3809**, and the grayscale version is **13.3124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6043, 0.4109, 0.2995**, and **3.9901, 0.5044, 0.2640** is the 20% darker color. If you saturate the color by 10%, you get **11.6687, 0.4778, 0.2844**, and if you desaturate by 10%, it is **16.2818, 0.4106, 0.2928**.

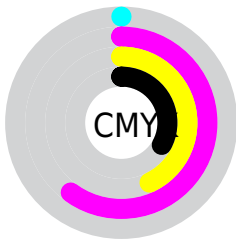
Distribution



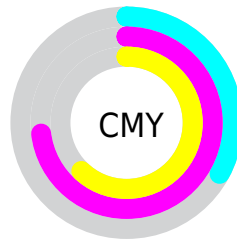
- Red (67%)
- Green (27%)
- Blue (38%)



- Red (67%)
- Yellow (27%)
- Blue (38%)



- Cyan (0%)
- Magenta (60%)
- Yellow (43%)
- Black (33%)





- Cyan (33%)
- Magenta (73%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.6552, 0.4424, 0.2874 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 13.6552, 0.4424, 0.2874 by changing the saturation by 10% instead.


 13.6552, 0.4424,
0.2874


 13.6552, 0.4424,
0.2874


215.0751, 0.3645,
0.3134


 7.8812, 0.4679,
0.2783


 32.4760, 0.4101,
0.2985


 4.0191, 0.5053,
0.2644

 46.2916, 0.3992,
0.3022


 1.6842, 0.5646,
0.2413

 63.5565, 0.3906,
0.3050

 0.4134, 0.7625,
0.1889

 84.6552, 0.3834,
0.3073

 0.0000, 1.0000,
0.0000

 109.9720, 0.3775,
0.3093

 0.0000, 0.0000,
0.0000

139.8913, 0.3725,

0.3109

174.7976, 0.3682,
0.3122

■ 13.6552, 0.4424,
0.2874

■ 13.6552, 0.4424,
0.2874

■ 11.6687, 0.4778,
0.2844

■ 16.2818, 0.4106,
0.2928

■ 10.2645, 0.5149,
0.2850

■ 19.5956, 0.3832,
0.2997

■ 9.3776, 0.5505,
0.2898

■ 23.6416, 0.3602,
0.3072

■ 8.8727, 0.5813,
0.2976

■ 28.4604, 0.3412,
0.3147

■ 34.0895, 0.3257,
0.3220

■ 40.5642, 0.3130,
0.3288

■ 47.9175, 0.3026,
0.3352

■ 56.1806, 0.2942,
0.3410

■ 65.3832, 0.2872,
0.3464

Harmonies

Analogous

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



13.6552, 0.3488, 0.2348



13.6552, 0.4424, 0.2874



13.6552, 0.4949, 0.3501

Triad

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



13.6552, 0.4424, 0.2874



13.6552, 0.3459, 0.5055



13.6552, 0.1603, 0.2101

Complementary

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



13.6552, 0.4424, 0.2874



32.3084, 0.2574, 0.3809

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.



13.6552, 0.1593, 0.2648



13.6552, 0.4424, 0.2874



13.6552, 0.2591, 0.4608

Square

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



13.6552, 0.4424, 0.2874



13.6552, 0.4287, 0.4779



13.6552, 0.1919, 0.3588



13.6552, 0.1924, 0.1912

Rectangle

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



13.6552, 0.4424, 0.2874



13.6552, 0.4954, 0.3944



13.6552, 0.1919, 0.3588



13.6552, 0.1565, 0.2239

Sweetspot

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



13.6559, 0.4424, 0.2874



52.7853, 0.3380, 0.3161



12.8098, 0.2804, 0.1748



11.1747, 0.3428, 0.3140



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.



13.6559, 0.4424, 0.2874



20.0275, 0.4890, 0.2842



16.4419, 0.4733, 0.3616



8.0510, 0.3244, 0.3226



6.6966, 0.5788, 0.2962



0.1957, 0.4930, 0.2489

Inverse Universe

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



13.6559, 0.4424, 0.2874



20.0275, 0.4890, 0.2842



25.5648, 0.2312, 0.2892



8.0510, 0.3244, 0.3226



6.6966, 0.5788, 0.2962



0.1957, 0.4930, 0.2489

Previews

White Background



This preview shows how the Yxy color 13.6552, 0.4424, 0.2874 looks on a white background.

Color Contrast Check

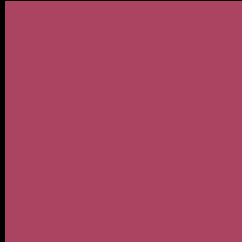
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6552, 0.4424, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

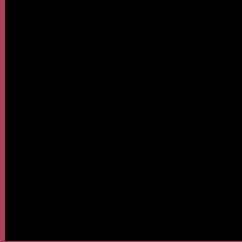
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6552, 0.4424, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 13.6552, 0.4424, 0.2874.

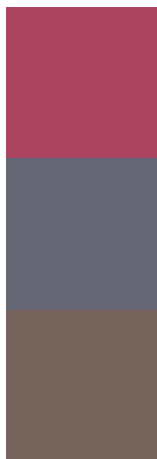


This preview shows how white text looks on a background with the Yxy color 13.6552, 0.4424, 0.2874.

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

13.6552, 0.4424, 0.2874

Protanopia

13.8096, 0.2935, 0.2994

Deuteranopia

13.7386, 0.3513, 0.3457



Tritanopia

13.7166, 0.4755, 0.3223

Trichromacy



Original Color

13.6552, 0.4424, 0.2874

Protanomaly

12.9501, 0.3412, 0.2902

Deuteranomaly

13.1060, 0.3840, 0.3180

Tritanomaly

13.6926, 0.4635, 0.3107

Monochromacy



Original Color

13.6552, 0.4424, 0.2874

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7445, 0.3571, 0.3094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6552, 0.4424, 0.2874 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(171, 68, 97)` looks like.

```
.text, #text, p{  
    color:rgb(171, 68, 97)  
}
```

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(171, 68, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 68, 97) }
```

Border

The CSS property to change the border of an element to Yxy 13.6552, 0.4424, 0.2874 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(171, 68, 97) }
```

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

```
.border{ border-color:rgb(171, 68, 97) }
```

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

Here you see how a box with a 4 pixel rgb(171, 68, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 68, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 68, 97);  
box-shadow:4px 4px 4px 4px rgb(171, 68,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6552, 0.4424, 0.2874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 68, 97) }
```

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

```
.background{ background-color: rgb(171, 68,  
97) }
```

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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