

Converting Colors

$Y_{xy}(13.9962, 0.4753, 0.3150)$

Have a look what the booklet for
Yxy(13.9962, 0.4753, 0.3150)
contains.

Yxy(13.9731, 0.4752, 0.3142)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.9731, 0.4752, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	AE4651
RGB	174, 70, 81
RGB Percent	68%, 27%, 32%
CMY	0.3176, 0.7255, 0.6824
CMYK	0.00, 0.60, 0.53, 0.32
HSL	354°, 43%, 48%
HSV	354°, 60%, 68%
XYZ	21.1331, 13.9731, 9.3658
YIQ	102.3500, 58.4530, 25.4690

Conversions

Conversions Part 2

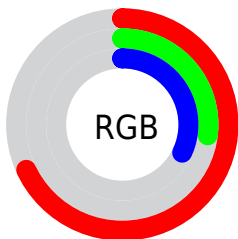
Format	Color
R_{YB}	174, 70, 81
Decimal	11421265
CIE _{Lab}	44.19, 43.45, 15.50
CIE _{LCh}	44, 46.131, 19.630
Yxy	13.9731, 0.4752, 0.3142
Android (android.graphics.Color)	4289611345 (0xFFAE4651)
YUV	102.3500, -10.5255, 62.8371
Hunter-Lab	37.3806, 35.4987, 11.3112

Details

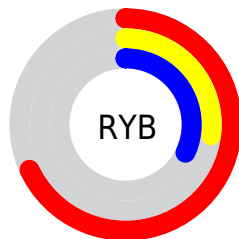
The Yxy color **13.9731, 0.4752, 0.3142** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **34.2246, 0.2465, 0.3475**, and the grayscale version is **13.3997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8544, 0.4348, 0.3204**, and **4.1344, 0.5502, 0.2962** is the 20% darker color. If you saturate the color by 10%, you get **11.8962, 0.5192, 0.3139**, and if you desaturate by 10%, it is **16.7357, 0.4347, 0.3158**.

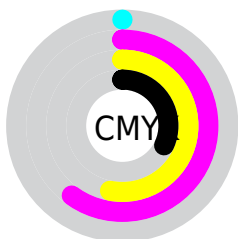
Distribution



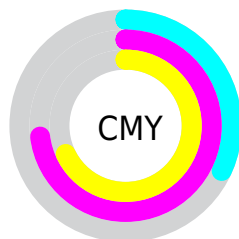
- Red (68%)
- Green (27%)
- Blue (32%)



- Red (68%)
- Yellow (27%)
- Blue (32%)



- Cyan (0%)
- Magenta (60%)
- Yellow (53%)
- Black (32%)





- Cyan (32%)
- Magenta (73%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9731, 0.4752, 0.3142 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 13.9731, 0.4752, 0.3142 by changing the saturation by 10% instead.


 13.9731, 0.4752,
0.3142


 13.9731, 0.4752,
0.3142


217.0634, 0.3775,
0.3268


 8.1020, 0.5067,
0.3079


 33.0413, 0.4348,
0.3207

 4.1603, 0.5520,
0.2968

 47.0071, 0.4212,
0.3225

 1.7636, 0.6246,
0.2769

 64.4400, 0.4103,
0.3238

 0.4643, 0.7844,
0.2156

 85.7243, 0.4013,
0.3247

 0.0000, 1.0000,
0.0000

 111.2444, 0.3939,
0.3255

 0.0000, 0.0000,
0.0000

141.3846, 0.3876,

0.3260

176.5295, 0.3822,
0.3265

■ 13.9731, 0.4752,
0.3142

■ 13.9731, 0.4752,
0.3142

■ 11.8962, 0.5192,
0.3139

■ 16.7357, 0.4347,
0.3158

■ 10.4428, 0.5628,
0.3153

■ 20.2346, 0.3998,
0.3182

■ 9.5434, 0.6000,
0.3188

■ 24.5182, 0.3707,
0.3210

■ 9.0549, 0.6265,
0.3227

■ 29.6302, 0.3470,
0.3238

■ 9.0453, 0.6270,
0.3228

■ 35.6110, 0.3278,
0.3265

■ 42.4985, 0.3124,
0.3291

■ 50.3281, 0.2999,
0.3314

■ 59.1336, 0.2898,
0.3335

■ 68.9469, 0.2816,
0.3355

Harmonies

Analogous

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



13.9731, 0.3939, 0.2555



13.9731, 0.4752, 0.3142



13.9731, 0.5006, 0.3798

Triad

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



13.9731, 0.4752, 0.3142



13.9731, 0.3060, 0.4982



13.9731, 0.1692, 0.1963

Complementary

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



13.9731, 0.4752, 0.3142



34.2246, 0.2465, 0.3475

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.



13.9731, 0.1542, 0.2342



13.9731, 0.4752, 0.3142



13.9731, 0.2242, 0.4199

Square

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



13.9731, 0.4752, 0.3142



13.9731, 0.3943, 0.4990



13.9731, 0.1713, 0.3124



13.9731, 0.2159, 0.1908

Rectangle

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



13.9731, 0.4752, 0.3142



13.9731, 0.4834, 0.4248



13.9731, 0.1713, 0.3124



13.9731, 0.1608, 0.2049

Sweetspot

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



13.9739, 0.4752, 0.3142



55.2183, 0.3439, 0.3242



15.1048, 0.3032, 0.1854



11.6328, 0.3500, 0.3234



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.



13.9739, 0.4752, 0.3142



20.5299, 0.5348, 0.3142



20.5660, 0.4536, 0.3867



8.0286, 0.3270, 0.3266



6.5639, 0.6252, 0.3218



0.1869, 0.5721, 0.2925

Inverse Universe

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



13.9739, 0.4752, 0.3142



20.5299, 0.5348, 0.3142



21.4474, 0.2245, 0.2573



8.0286, 0.3270, 0.3266



6.5639, 0.6252, 0.3218



0.1869, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 13.9731, 0.4752, 0.3142 looks on a white background.

Color Contrast Check

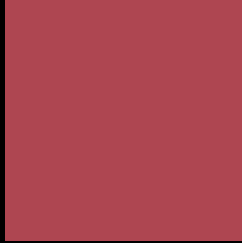
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9731, 0.4752, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

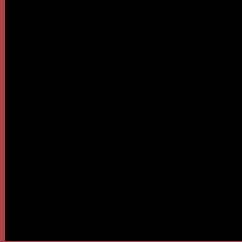
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.9731, 0.4752, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 13.9731, 0.4752, 0.3142.

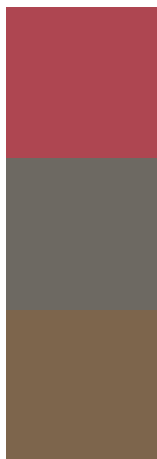


This preview shows how white text looks on a background with the Yxy color 13.9731, 0.4752, 0.3142.

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

13.9731, 0.4752, 0.3142

Protanopia

14.2362, 0.3277, 0.3440

Deuteranopia

14.1891, 0.3852, 0.3792



Tritanopia

14.0269, 0.4833, 0.3226

Trichromacy



Original Color

13.9731, 0.4752, 0.3142

Protanomaly

13.4135, 0.3787, 0.3292

Deuteranomaly

13.7020, 0.4189, 0.3509

Tritanomaly

14.0552, 0.4797, 0.3198

Monochromacy



Original Color

13.9731, 0.4752, 0.3142

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7097, 0.3685, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9731, 0.4752, 0.3142 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(174, 70, 81)` looks like.

```
.text, #text, p{  
    color:rgb(174, 70, 81)  
}
```

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(174, 70, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 70, 81) }
```

Border

The CSS property to change the border of an element to Yxy 13.9731, 0.4752, 0.3142 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(174, 70, 81) }
```

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

```
.border{ border-color:rgb(174, 70, 81) }
```

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

Here you see how a box with a 4 pixel rgb(174, 70, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 70, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 70, 81);  
box-shadow:4px 4px 4px 4px rgb(174, 70,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9731, 0.4752, 0.3142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 70, 81) }
```

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

```
.background{ background-color: rgb(174, 70,  
81) }
```

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