

Converting Colors

$Y_{xy}(19.8667, 0.4168, 0.3393)$

Have a look what the booklet for
Yxy(19.8667, 0.4168, 0.3393)
contains.

Yxy(19.7747, 0.4162, 0.3384)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.7747, 0.4162, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	AC6963
RGB	172, 105, 99
RGB Percent	67%, 41%, 39%
CMY	0.3254, 0.5883, 0.6117
CMYK	0.00, 0.39, 0.42, 0.33
HSL	5°, 31%, 53%
HSV	5°, 42%, 67%
XYZ	24.3210, 19.7747, 14.3402
YIQ	124.3490, 41.8580, 12.3380

Conversions

Conversions Part 2

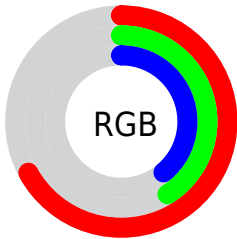
Format	Color
R_{YB}	172, 106, 99
Decimal	11299171
CIE Lab	51.58, 26.13, 14.76
CIE LCh	52, 30.015, 29.464
Yxy	19.7747, 0.4162, 0.3384
Android (android.graphics.Color)	4289489251 (0xFFAC6963)
YUV	124.3490, -12.4971, 41.7899
Hunter-Lab	44.4688, 19.8055, 12.0084

Details

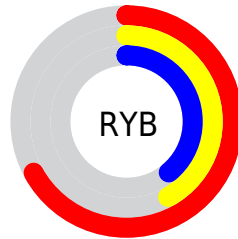
The Yxy color **19.7747, 0.4162, 0.3384** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **32.9180, 0.2543, 0.3191**, and the grayscale version is **20.3111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9740, 0.3916, 0.3374**, and **6.8582, 0.4614, 0.3377** is the 20% darker color. If you saturate the color by 10%, you get **16.5576, 0.4547, 0.3403**, and if you desaturate by 10%, it is **23.6612, 0.3835, 0.3362**.

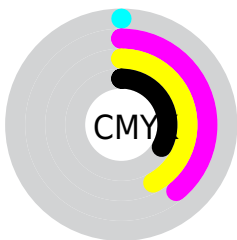
Distribution



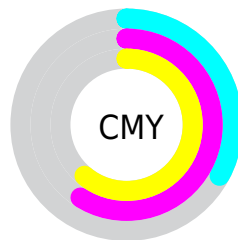
- Red (67%)
- Green (41%)
- Blue (39%)



- Red (67%)
- Yellow (42%)
- Blue (39%)



- Cyan (0%)
- Magenta (39%)
- Yellow (42%)
- Black (33%)




- Cyan (33%)
- Magenta (59%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7747, 0.4162, 0.3384 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 19.7747, 0.4162, 0.3384 by changing the saturation by 10% instead.


 19.7747, 0.4162,
0.3384


 19.7747, 0.4162,
0.3384


250.6928, 0.3566,
0.3350


 12.2314, 0.4343,
0.3384


 43.0391, 0.3923,
0.3377


 6.9015, 0.4598,
0.3376


 59.5290, 0.3840,
0.3372

 3.4005, 0.4979,
0.3345

 79.7699, 0.3773,
0.3368

 1.3443, 0.5758,
0.3338

 104.1462, 0.3717,
0.3364

 0.1751, 0.8212,
0.1788

133.0422, 0.3670,
0.3360

 0.0000, 0.0000,
0.0000

166.8424, 0.3630,

0.3356


205.9311, 0.3596,
0.3353


 19.7747, 0.4162,
0.3384


 19.7747, 0.4162,
0.3384


 16.5576, 0.4547,
0.3403


 23.6612, 0.3835,
0.3362


 13.9692, 0.4980,
0.3415


 28.2489, 0.3565,
0.3338


 11.9693, 0.5432,
0.3416


 33.5708, 0.3345,
0.3316

 10.5116, 0.5849,
0.3401

 39.6574, 0.3166,
0.3295

 9.5426, 0.6169,
0.3371


 46.5372, 0.3020,
0.3276

 9.0903, 0.6335,
0.3352

 54.2373, 0.2901,
0.3258

 62.7834, 0.2804,
0.3242

 72.2002, 0.2723,
0.3228

 82.5115, 0.2657,
0.3215

Harmonies

Analogous

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



19.7747, 0.3783, 0.2965



19.7747, 0.4162, 0.3384



19.7747, 0.4227, 0.3816

Triad

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



19.7747, 0.4162, 0.3384



19.7747, 0.2955, 0.4108



19.7747, 0.2304, 0.2431

Complementary

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



19.7747, 0.4162, 0.3384



32.9180, 0.2543, 0.3191

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.



19.7747, 0.2131, 0.2635



19.7747, 0.4162, 0.3384



19.7747, 0.2479, 0.3614

Square

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



19.7747, 0.4162, 0.3384



19.7747, 0.3503, 0.4308



19.7747, 0.2190, 0.3054



19.7747, 0.2689, 0.2439

Rectangle

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



19.7747, 0.4162, 0.3384



19.7747, 0.4089, 0.4067



19.7747, 0.2190, 0.3054



19.7747, 0.2222, 0.2475

Sweetspot

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



19.7757, 0.4162, 0.3384



60.0764, 0.3360, 0.3318



20.4936, 0.3233, 0.2327



12.5852, 0.3405, 0.3322



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.



19.7757, 0.4162, 0.3384



30.3109, 0.4525, 0.3402



28.5423, 0.3930, 0.3907



8.1170, 0.3284, 0.3309



6.7980, 0.6325, 0.3360



0.2224, 0.6026, 0.3597

Inverse Universe

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



32.9180, 0.2543, 0.3191



57.3246, 0.2443, 0.3165



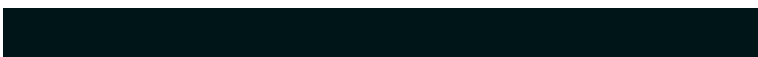
21.7700, 0.2443, 0.2574



8.9580, 0.2986, 0.3271



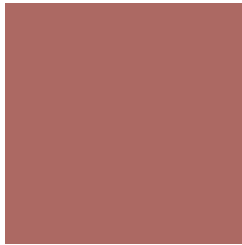
20.4260, 0.2177, 0.3036



0.6005, 0.2200, 0.3118

Previews

White Background



This preview shows how the Yxy color 19.7747, 0.4162, 0.3384 looks on a white background.

Color Contrast Check

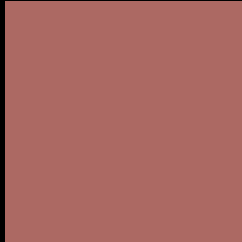
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.7747, 0.4162, 0.3384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

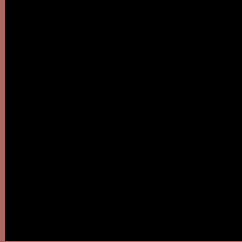
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7747, 0.4162, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 19.7747, 0.4162, 0.3384.

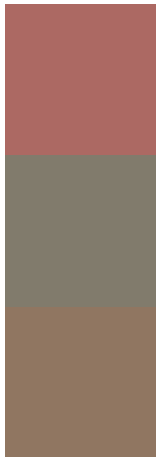


This preview shows how white text looks on a background with the Yxy color 19.7747, 0.4162, 0.3384.

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

19.7747, 0.4162, 0.3384

Protanopia

19.9158, 0.3377, 0.3569

Deuteranopia

19.7492, 0.3733, 0.3661



Tritanopia

19.7324, 0.4011, 0.3171

Trichromacy



Original Color

19.7747, 0.4162, 0.3384

Protanomaly

19.5304, 0.3652, 0.3484

Deuteranomaly

19.5621, 0.3883, 0.3544

Tritanomaly

19.8464, 0.4064, 0.3247

Monochromacy



Original Color

19.7747, 0.4162, 0.3384

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.6231, 0.3465, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7747, 0.4162, 0.3384 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(172, 105, 99)` looks like.

```
.text, #text, p{  
    color:rgb(172, 105, 99)  
}
```

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(172, 105, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 105, 99) }
```

Border

The CSS property to change the border of an element to Yxy 19.7747, 0.4162, 0.3384 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(172, 105, 99) }
```

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

```
.border{ border-color:rgb(172, 105, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 105, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 105, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 105, 99);  
box-shadow:4px 4px 4px 4px rgb(172, 105,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7747, 0.4162, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 105, 99) }
```

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

```
.background{ background-color: rgb(172,  
105, 99) }
```

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