

Converting Colors

$Y_{xy}(20.0169, 0.3481, 0.3707)$

Have a look what the booklet for
Yxy(20.0169, 0.3481, 0.3707)
contains.

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Color

Yxy(19.9308, 0.3487, 0.3698)

Conversions

Conversions Part 1

Format	Color
Hex	837B65
RGB	131, 123, 101
RGB Percent	51%, 48%, 40%
CMY	0.4862, 0.5176, 0.6039
CMYK	0.00, 0.06, 0.23, 0.49
HSL	44°, 13%, 45%
HSV	44°, 23%, 51%
XYZ	18.7936, 19.9308, 15.1718
YIQ	122.8840, 11.8300, -5.1460

Conversions

Conversions Part 2

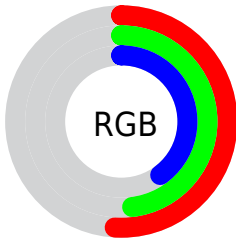
Format	Color
R_{YB}	112, 131, 101
Decimal	8616805
CIE _{Lab}	51.76, -0.77, 13.14
CIE _{LCh}	52, 13.162, 93.367
Yxy	19.9308, 0.3487, 0.3698
Android (android.graphics.Color)	4286806885 (0xFF837B65)
YUV	122.8840, -10.7888, 7.1177
Hunter-Lab	44.6439, -2.9844, 11.1017

Details

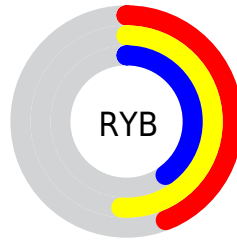
The Yxy color **19.9308, 0.3487, 0.3698** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3490, 0.2769, 0.2846**, and the grayscale version is **19.8014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1173, 0.3404, 0.3600**, and **6.9132, 0.3635, 0.3862** is the 20% darker color. If you saturate the color by 10%, you get **18.8424, 0.3663, 0.3882**, and if you desaturate by 10%, it is **21.0930, 0.3322, 0.3516**.

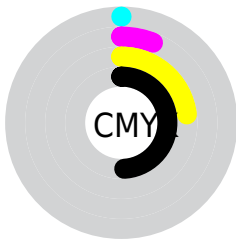
Distribution



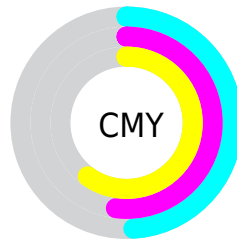
- Red (51%)
- Green (48%)
- Blue (40%)



- Red (44%)
- Yellow (51%)
- Blue (40%)



- Cyan (0%)
- Magenta (6%)
- Yellow (23%)
- Black (49%)





- Cyan (49%)
- Magenta (52%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9308, 0.3487, 0.3698 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 19.9308, 0.3487, 0.3698 by changing the saturation by 10% instead.


 19.9308, 0.3487,
0.3698


 19.9308, 0.3487,
0.3698


251.5403, 0.3282,
0.3465


 12.3448, 0.3548,
0.3768


 43.3011, 0.3406,
0.3605


 6.9789, 0.3634,
0.3867


 59.8542, 0.3377,
0.3573

 3.4489, 0.3762,
0.4015

 80.1651, 0.3354,
0.3547

 1.3704, 0.4060,
0.4355

 104.6182, 0.3335,
0.3525

 0.1947, 0.4605,
0.5395

133.5978, 0.3319,
0.3506

 0.0000, 0.0000,
0.0000

167.4884, 0.3305,

0.3491

206.6745, 0.3293,
0.3477

■ 19.9308, 0.3487,
0.3698

■ 19.9308, 0.3487,
0.3698

■ 18.8424, 0.3663,
0.3882

■ 21.0930, 0.3322,
0.3516

■ 17.8228, 0.3846,
0.4063

■ 22.3284, 0.3169,
0.3339

■ 16.8705, 0.4031,
0.4232

■ 23.6399, 0.3029,
0.3172

■ 15.9829, 0.4213,
0.4379

■ 25.0294, 0.2903,
0.3016

■ 15.1571, 0.4383,
0.4496

■ 26.4988, 0.2788,
0.2870

■ 14.3898, 0.4534,
0.4574

■ 28.0497, 0.2686,
0.2736

■ 13.6774, 0.4658,
0.4608

■ 29.6840, 0.2593,
0.2613

■ 13.1961, 0.4741,
0.4618

■ 31.4031, 0.2511,
0.2500

■ 33.2088, 0.2437,
0.2396

Harmonies

Analogous

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



19.9308, 0.3603, 0.3570



19.9308, 0.3487, 0.3698



19.9308, 0.3276, 0.3716

Triad

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



19.9308, 0.3487, 0.3698



19.9308, 0.2688, 0.3173



19.9308, 0.3211, 0.3001

Complementary

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



19.9308, 0.3487, 0.3698



15.3490, 0.2769, 0.2846

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.



19.9308, 0.2966, 0.2899



19.9308, 0.3487, 0.3698



19.9308, 0.2672, 0.2989

Square

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



19.9308, 0.3487, 0.3698



19.9308, 0.2817, 0.3403



19.9308, 0.2771, 0.2893



19.9308, 0.3441, 0.3173

Rectangle

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



19.9308, 0.3487, 0.3698



19.9308, 0.3112, 0.3657



19.9308, 0.2771, 0.2893



19.9308, 0.3127, 0.2958

Sweetspot

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



19.9317, 0.3487, 0.3698



39.0190, 0.3233, 0.3414



15.2514, 0.3449, 0.3130



9.0606, 0.3240, 0.3422



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.9317, 0.3487, 0.3698



34.7499, 0.3569, 0.3785



21.4983, 0.3377, 0.3851



5.2183, 0.3263, 0.3448



12.9920, 0.4740, 0.4618



0.0570, 0.4443, 0.4854

Inverse Universe

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



15.3490, 0.2769, 0.2846



25.1761, 0.2688, 0.2740



14.1068, 0.2839, 0.2692



4.7320, 0.2992, 0.3126



2.7993, 0.1603, 0.0970



0.0204, 0.1814, 0.1730

Previews

White Background



This preview shows how the Yxy color 19.9308, 0.3487, 0.3698 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 19.9308, 0.3487, 0.3698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

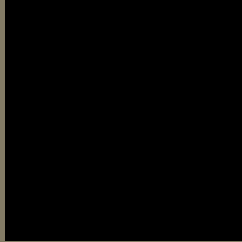
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

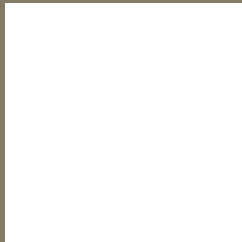
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9308, 0.3487, 0.3698

Background



This preview shows how black text looks on a background with the Yxy color 19.9308, 0.3487, 0.3698.



This preview shows how white text looks on a background with the Yxy color 19.9308, 0.3487, 0.3698.

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

19.9308, 0.3487, 0.3698

Protanopia

19.9308, 0.3487, 0.3698

Deuteranopia

19.9926, 0.3650, 0.3591



Tritanopia

19.8470, 0.3198, 0.3113

Trichromacy



Original Color

19.9308, 0.3487, 0.3698

Protanomaly

19.9308, 0.3487, 0.3698

Deuteranomaly

19.8812, 0.3592, 0.3614

Tritanomaly

19.7514, 0.3303, 0.3309

Monochromacy



Original Color

19.9308, 0.3487, 0.3698

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8393, 0.3256, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9308, 0.3487, 0.3698 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(131, 123, 101)` looks like.

```
.text, #text, p{  
    color:rgb(131, 123, 101)  
}
```

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(131, 123, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 123, 101) }
```

Border

The CSS property to change the border of an element to Yxy 19.9308, 0.3487, 0.3698 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(131, 123, 101) }
```

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

```
.border{ border-color:rgb(131, 123, 101) }
```

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

Here you see how a box with a 4 pixel rgb(131, 123, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 123, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 123, 101);  
box-shadow:4px 4px 4px 4px rgb(131, 123,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9308, 0.3487, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 123, 101) }
```

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

```
.background{ background-color: rgb(131,  
123, 101) }
```

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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