

Converting Colors

$Y_{xy}(19.7722, 0.4154, 0.3429)$

Have a look what the booklet for
Yxy(19.7722, 0.4154, 0.3429)
contains.

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Color

Yxy(19.7172, 0.4157, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	AA6A61
RGB	170, 106, 97
RGB Percent	67%, 42%, 38%
CMY	0.3334, 0.5843, 0.6195
CMYK	0.00, 0.38, 0.43, 0.33
HSL	7°, 30%, 52%
HSV	7°, 43%, 67%
XYZ	23.8894, 19.7172, 13.8612
YIQ	124.1100, 41.0330, 10.7690

Conversions

Conversions Part 2

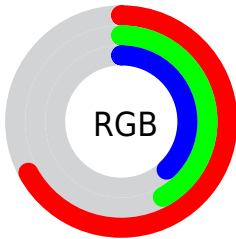
Format	Color
R _Y B	170, 107, 97
Decimal	11168353
CIE Lab	51.52, 24.53, 15.80
CIE LCh	52, 29.173, 32.784
Yxy	19.7172, 0.4157, 0.3431
Android (android.graphics.Color)	4289358433 (0xFFAA6A61)
YUV	124.1100, -13.3652, 40.2455
Hunter-Lab	44.4041, 18.3258, 12.5748

Details

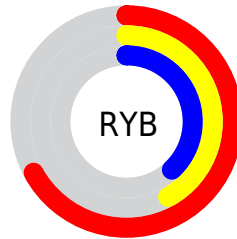
The Yxy color **19.7172, 0.4157, 0.3431** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **30.9389, 0.2530, 0.3139**, and the grayscale version is **20.2308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9227, 0.3913, 0.3410**, and **6.9100, 0.4574, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **16.6241, 0.4531, 0.3459**, and if you desaturate by 10%, it is **23.4144, 0.3837, 0.3398**.

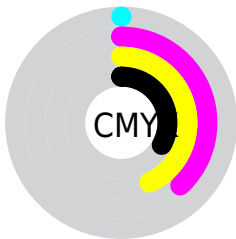
Distribution



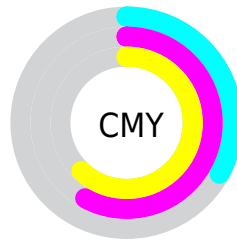
- Red (67%)
- Green (42%)
- Blue (38%)



- Red (67%)
- Yellow (42%)
- Blue (38%)



- Cyan (0%)
- Magenta (38%)
- Yellow (43%)
- Black (33%)




- Cyan (33%)
- Magenta (58%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7172, 0.4157, 0.3431 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 19.7172, 0.4157, 0.3431 by changing the saturation by 10% instead.


 19.7172, 0.4157,
0.3431


 19.7172, 0.4157,
0.3431


250.3800, 0.3563,
0.3371


 12.1896, 0.4337,
0.3438


 42.9425, 0.3919,
0.3413


 6.8730, 0.4590,
0.3440


 59.4091, 0.3837,
0.3405

 3.3828, 0.4969,
0.3422

 79.6241, 0.3770,
0.3398

 1.3347, 0.5794,
0.3469

 103.9720, 0.3714,
0.3391

 0.1678, 0.8188,
0.1812

132.8372, 0.3668,
0.3385

 0.0000, 0.0000,
0.0000

166.6039, 0.3628,

0.3380

205.6568, 0.3593,
0.3375

■ 19.7172, 0.4157,
0.3431

■ 19.7172, 0.4157,
0.3431

■ 16.6241, 0.4531,
0.3459

■ 23.4144, 0.3837,
0.3398

■ 14.1000, 0.4951,
0.3478

■ 27.7422, 0.3571,
0.3364

■ 12.1109, 0.5389,
0.3480


■ 32.7295, 0.3352,
0.3330

■ 10.6180, 0.5798,
0.3460

■ 38.4021, 0.3173,
0.3299


■ 9.5769, 0.6120,
0.3418

■ 44.7847, 0.3027,
0.3270

 9.0792, 0.6288,
0.3389

 51.9008, 0.2906,
0.3243

 59.7725, 0.2807,
0.3220

 68.4213, 0.2724,
0.3198

 77.8678, 0.2655,
0.3179

Harmonies

Analogous

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



19.7172, 0.3817, 0.3017



19.7172, 0.4157, 0.3431



19.7172, 0.4185, 0.3849

Triad

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



19.7172, 0.4157, 0.3431



19.7172, 0.2903, 0.4042



19.7172, 0.2356, 0.2443

Complementary

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



19.7172, 0.4157, 0.3431



30.9389, 0.2530, 0.3139

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.



19.7172, 0.2163, 0.2620



19.7172, 0.4157, 0.3431



19.7172, 0.2455, 0.3544

Square

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



19.7172, 0.4157, 0.3431



19.7172, 0.3437, 0.4275



19.7172, 0.2195, 0.3008



19.7172, 0.2753, 0.2472

Rectangle

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



19.7172, 0.4157, 0.3431



19.7172, 0.4030, 0.4084



19.7172, 0.2195, 0.3008



19.7172, 0.2268, 0.2479

Sweetspot

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



19.7182, 0.4157, 0.3431



59.0894, 0.3358, 0.3331



19.6893, 0.3280, 0.2363



12.7200, 0.3402, 0.3338



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.



19.7182, 0.4157, 0.3431



30.1559, 0.4532, 0.3460



28.7617, 0.3917, 0.3965



7.6856, 0.3283, 0.3318



6.7259, 0.6275, 0.3400



0.2075, 0.5843, 0.3742

Inverse Universe

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



30.9389, 0.2530, 0.3139



53.3009, 0.2420, 0.3098



20.1108, 0.2425, 0.2498



8.3721, 0.2987, 0.3261



18.0189, 0.2140, 0.2904



0.4810, 0.2179, 0.3043

Previews

White Background



This preview shows how the Yxy color 19.7172, 0.4157, 0.3431 looks on a white background.

Color Contrast Check

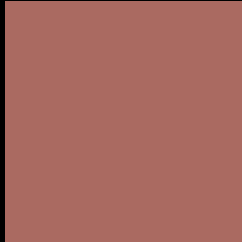
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7172, 0.4157, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

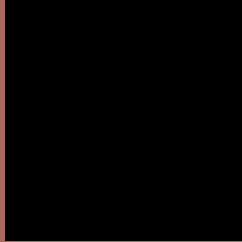
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7172, 0.4157, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 19.7172, 0.4157, 0.3431.



This preview shows how white text looks on a background with the Yxy color 19.7172, 0.4157, 0.3431.

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

19.7172, 0.4157, 0.3431

Protanopia

19.9317, 0.3426, 0.3625

Deuteranopia

19.8028, 0.3772, 0.3694



Tritanopia

19.7284, 0.3964, 0.3170

Trichromacy



Original Color

19.7172, 0.4157, 0.3431

Protanomaly

19.7016, 0.3687, 0.3554

Deuteranomaly

19.7492, 0.3904, 0.3594

Tritanomaly

19.8226, 0.4032, 0.3262

Monochromacy



Original Color

19.7172, 0.4157, 0.3431

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.6002, 0.3478, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7172, 0.4157, 0.3431 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(170, 106, 97)` looks like.

```
.text, #text, p{  
    color:rgb(170, 106, 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(170, 106, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 106, 97) }
```

Border

The CSS property to change the border of an element to Yxy 19.7172, 0.4157, 0.3431 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(170, 106, 97) }
```

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

```
.border{ border-color:rgb(170, 106, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 106, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 106, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 106, 97);  
box-shadow:4px 4px 4px 4px rgb(170, 106,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7172, 0.4157, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 106, 97) }
```

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

```
.background{ background-color: rgb(170,  
106, 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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