

Converting Colors

$Y_{xy}(18.8390, 0.4305, 0.3552)$

Have a look what the booklet for
Yxy(18.8390, 0.4305, 0.3552)
contains.

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Color

Yxy(18.7134, 0.4298, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	A86757
RGB	168, 103, 87
RGB Percent	66%, 40%, 34%
CMY	0.3411, 0.5961, 0.6589
CMYK	0.00, 0.39, 0.48, 0.34
HSL	12°, 32%, 50%
HSV	12°, 48%, 66%
XYZ	22.7204, 18.7134, 11.4289
YIQ	120.6110, 43.8760, 8.8040

Conversions

Conversions Part 2

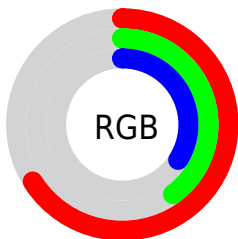
Format	Color
RYB	168, 107, 87
Decimal	11036503
CIELab	50.35, 24.32, 20.05
CIELCh	50, 31.520, 39.510
Yxy	18.7134, 0.4298, 0.3540
Android (android.graphics.Color)	4289226583 (0xFFA86757)
YUV	120.6110, -16.5702, 41.5602
Hunter-Lab	43.2590, 18.0482, 14.6170

Details

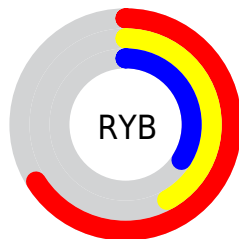
The Yxy color **18.7134, 0.4298, 0.3540** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.3102, 0.2451, 0.3011**, and the grayscale version is **19.0325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4176, 0.4028, 0.3505**, and **6.4032, 0.4802, 0.3585** is the 20% darker color. If you saturate the color by 10%, you get **16.0019, 0.4671, 0.3580**, and if you desaturate by 10%, it is **21.9231, 0.3970, 0.3490**.

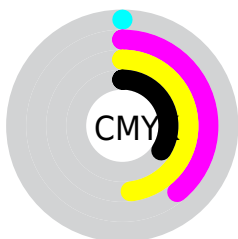
Distribution



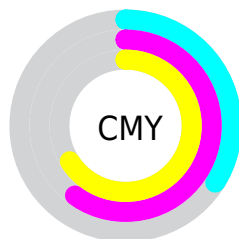
- Red (66%)
- Green (40%)
- Blue (34%)



- Red (66%)
- Yellow (42%)
- Blue (34%)



- Cyan (0%)
- Magenta (39%)
- Yellow (48%)
- Black (34%)





- Cyan (34%)
- Magenta (60%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7134, 0.4298, 0.3540 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 18.7134, 0.4298, 0.3540 by changing the saturation by 10% instead.


 18.7134, 0.4298,
0.3540


 18.7134, 0.4298,
0.3540


244.8620, 0.3620,
0.3424


 11.4634, 0.4504,
0.3559


 41.2492, 0.4026,
0.3503


 6.3794, 0.4793,
0.3573


 57.3039, 0.3932,
0.3487

 3.0771, 0.5219,
0.3562

 77.0621, 0.3855,
0.3473

 1.1721, 0.6298,
0.3702

 100.9084, 0.3792,
0.3461

 0.0388, 0.9421,
0.0579

 129.2272, 0.3738,
0.3450

 0.0000, 0.0000,
0.0000

162.4027, 0.3693,

0.3440

200.8195, 0.3654,
0.3432

■ 18.7134, 0.4298,
0.3540

■ 18.7134, 0.4298,
0.3540

■ 16.0019, 0.4671,
0.3580

■ 21.9231, 0.3970,
0.3490

■ 13.7606, 0.5076,
0.3602

■ 25.6516, 0.3691,
0.3436

■ 11.9630, 0.5482,
0.3597

■ 29.9217, 0.3456,
0.3382

■ 10.5786, 0.5844,
0.3558

■ 34.7539, 0.3262,
0.3330

■ 9.5698, 0.6125,
0.3492

■ 40.1678, 0.3101,
0.3282

■ 9.4248, 0.6171,
0.3482

■ 46.1820, 0.2967,
0.3237

■ 52.8142, 0.2855,
0.3197

■ 60.0814, 0.2762,
0.3160

■ 67.9999, 0.2684,
0.3127

Harmonies

Analogous

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



18.7134, 0.3995, 0.3084



18.7134, 0.4298, 0.3540



18.7134, 0.4243, 0.3985

Triad

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



18.7134, 0.4298, 0.3540



18.7134, 0.2754, 0.4018



18.7134, 0.2365, 0.2357

Complementary

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



18.7134, 0.4298, 0.3540



27.3102, 0.2451, 0.3011

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.



18.7134, 0.2105, 0.2492



18.7134, 0.4298, 0.3540



18.7134, 0.2307, 0.3428

Square

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



18.7134, 0.4298, 0.3540



18.7134, 0.3329, 0.4356



18.7134, 0.2083, 0.2861



18.7134, 0.2837, 0.2435

Rectangle

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



18.7134, 0.4298, 0.3540



18.7134, 0.4027, 0.4224



18.7134, 0.2083, 0.2861



18.7134, 0.2253, 0.2377

Sweetspot

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



18.7143, 0.4298, 0.3540



57.6434, 0.3375, 0.3361



17.4458, 0.3376, 0.2326



12.1773, 0.3417, 0.3372



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



18.7143, 0.4298, 0.3540



28.6596, 0.4704, 0.3583



28.4656, 0.3993, 0.4118



7.7735, 0.3281, 0.3335



7.1764, 0.6155, 0.3495



0.2405, 0.5587, 0.3946

Inverse Universe

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



27.3102, 0.2451, 0.3011



46.0689, 0.2332, 0.2937



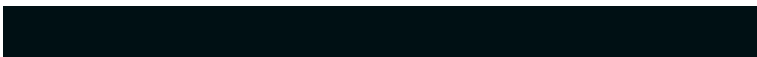
16.5848, 0.2316, 0.2278



8.2764, 0.2987, 0.3244



15.2514, 0.2071, 0.2655



0.4336, 0.2135, 0.2887

Previews

White Background



This preview shows how the Yxy color 18.7134, 0.4298, 0.3540 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 18.7134, 0.4298, 0.3540 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 18.7134, 0.4298, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 18.7134, 0.4298, 0.3540.



This preview shows how white text looks on a background with the Yxy color 18.7134, 0.4298, 0.3540.

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

18.7134, 0.4298, 0.3540

Protanopia

18.8484, 0.3532, 0.3765

Deuteranopia

18.7570, 0.3893, 0.3823



Tritanopia

18.7219, 0.4047, 0.3185

Trichromacy



Original Color

18.7134, 0.4298, 0.3540

Protanomaly

18.6470, 0.3807, 0.3683

Deuteranomaly

18.7162, 0.4032, 0.3715

Tritanomaly

18.6625, 0.4133, 0.3308

Monochromacy



Original Color

18.7134, 0.4298, 0.3540

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.5420, 0.3512, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7134, 0.4298, 0.3540 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(168, 103, 87)` looks like.

```
.text, #text, p{  
    color:rgb(168, 103, 87)  
}
```

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(168, 103, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 103, 87) }
```

Border

The CSS property to change the border of an element to Yxy 18.7134, 0.4298, 0.3540 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(168, 103, 87) }
```

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

```
.border{ border-color:rgb(168, 103, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 103, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 103, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 103, 87);  
box-shadow:4px 4px 4px 4px rgb(168, 103,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7134, 0.4298, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 103, 87) }
```

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

```
.background{ background-color: rgb(168,  
103, 87) }
```

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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