

Converting Colors

$Y_{xy}(18.6657, 0.3450, 0.3574)$

Have a look what the booklet for
Yxy(18.6657, 0.3450, 0.3574)
contains.

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Color

Yxy(18.6033, 0.3454, 0.3574)

Conversions

Conversions Part 1

Format	Color
Hex	817667
RGB	129, 118, 103
RGB Percent	51%, 46%, 40%
CMY	0.4941, 0.5372, 0.5962
CMYK	0.00, 0.09, 0.20, 0.49
HSL	35°, 11%, 45%
HSV	35°, 20%, 51%
XYZ	17.9787, 18.6033, 15.4698
YIQ	119.5790, 11.3710, -2.3330

Conversions

Conversions Part 2

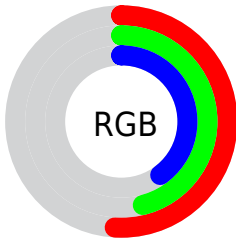
Format	Color
RYB	122, 129, 103
Decimal	8484455
CIELab	50.22, 1.59, 9.81
CIELCh	50, 9.939, 80.805
Yxy	18.6033, 0.3454, 0.3574
Android (android.graphics.Color)	4286674535 (0xFF817667)
YUV	119.5790, -8.1734, 8.2622
Hunter-Lab	43.1315, -1.0754, 8.9268

Details

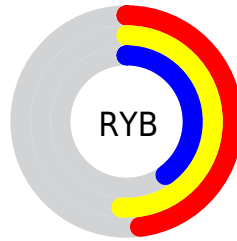
The Yxy color **18.6033, 0.3454, 0.3574** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.4954, 0.2821, 0.2989**, and the grayscale version is **18.6648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0276, 0.3378, 0.3509**, and **6.3281, 0.3585, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **17.1181, 0.3644, 0.3722**, and if you desaturate by 10%, it is **20.2043, 0.3283, 0.3430**.

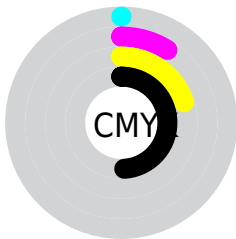
Distribution



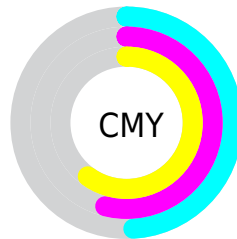
- Red (51%)
- Green (46%)
- Blue (40%)



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



- Cyan (0%)
- Magenta (9%)
- Yellow (20%)
- Black (49%)





- Cyan (49%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6033, 0.3454, 0.3574 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 18.6033, 0.3454, 0.3574 by changing the saturation by 10% instead.


 18.6033, 0.3454,
0.3574


 18.6033, 0.3454,
0.3574


244.2499, 0.3265,
0.3411


 11.3840, 0.3512,
0.3623


 41.0627, 0.3378,
0.3509

 6.3257, 0.3595,
0.3693


 57.0715, 0.3352,
0.3486

 3.0441, 0.3723,
0.3800

 76.7790, 0.3331,
0.3468

 1.1548, 0.4023,
0.4059

 100.5696, 0.3313,
0.3453

 0.0243, 0.7178,
0.2822

128.8275, 0.3298,
0.3440

 0.0000, 0.0000,
0.0000

161.9373, 0.3286,

0.3429

200.2833, 0.3275,
0.3420

■ 18.6033, 0.3454,
0.3574

■ 18.6033, 0.3454,
0.3574

■ 17.1181, 0.3644,
0.3722

■ 20.2043, 0.3283,
0.3430

■ 15.7431, 0.3852,
0.3870

■ 21.9216, 0.3130,
0.3292

■ 14.4759, 0.4074,
0.4011

■ 23.7587, 0.2994,
0.3163

■ 13.3132, 0.4306,
0.4136

■ 25.7183, 0.2873,
0.3043

■ 12.2510, 0.4539,
0.4235

■ 27.8030, 0.2767,
0.2932

■ 11.2855, 0.4762,
0.4297

■ 30.0153, 0.2673,
0.2830

■ 10.4120, 0.4963,
0.4313

■ 32.3577, 0.2590,
0.2737

■ 9.6318, 0.5145,
0.4296

■ 34.8323, 0.2517,
0.2651

■ 37.4416, 0.2451,
0.2573

Harmonies

Analogous

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



18.6033, 0.3502, 0.3451



18.6033, 0.3454, 0.3574



18.6033, 0.3318, 0.3624

Triad

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



18.6033, 0.3454, 0.3574



18.6033, 0.2818, 0.3275



18.6033, 0.3112, 0.3023

Complementary

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



18.6033, 0.3454, 0.3574



16.4954, 0.2821, 0.2989

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.



18.6033, 0.2932, 0.2974



18.6033, 0.3454, 0.3574



18.6033, 0.2767, 0.3112

Square

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



18.6033, 0.3454, 0.3574



18.6033, 0.2951, 0.3449



18.6033, 0.2808, 0.3004



18.6033, 0.3301, 0.3138

Rectangle

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



18.6033, 0.3454, 0.3574



18.6033, 0.3197, 0.3604



18.6033, 0.2808, 0.3004



18.6033, 0.3049, 0.2998

Sweetspot

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



18.6041, 0.3454, 0.3574



37.3965, 0.3219, 0.3373



15.5842, 0.3347, 0.3077



8.4292, 0.3227, 0.3381



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.6041, 0.3454, 0.3574



32.1233, 0.3535, 0.3639



21.2108, 0.3396, 0.3773



4.7244, 0.3265, 0.3415



9.3999, 0.5144, 0.4297



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.4954, 0.2821, 0.2989



27.6625, 0.2750, 0.2914



14.2675, 0.2829, 0.2764



4.4871, 0.2993, 0.3162



4.1709, 0.1718, 0.1384



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6033, 0.3454, 0.3574 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 18.6033, 0.3454, 0.3574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

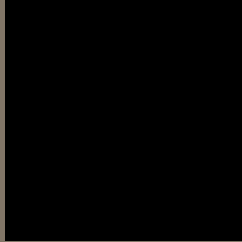
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

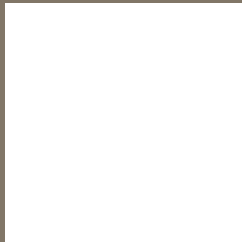
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.6033, 0.3454, 0.3574

Background



This preview shows how black text looks on a background with the Yxy color 18.6033, 0.3454, 0.3574.



This preview shows how white text looks on a background with the Yxy color 18.6033, 0.3454, 0.3574.

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

18.6033, 0.3454, 0.3574

Protanopia

18.5531, 0.3385, 0.3578

Deuteranopia

18.5793, 0.3561, 0.3492



Tritanopia

18.6222, 0.3238, 0.3127

Trichromacy



Original Color

18.6033, 0.3454, 0.3574

Protanomaly

18.6287, 0.3398, 0.3576

Deuteranomaly

18.5586, 0.3516, 0.3513

Tritanomaly

18.5770, 0.3323, 0.3291

Monochromacy



Original Color

18.6033, 0.3454, 0.3574

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6195, 0.3237, 0.3386

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6033, 0.3454, 0.3574 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(129, 118, 103)` looks like.

```
.text, #text, p{  
    color:rgb(129, 118, 103)  
}
```

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(129, 118, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 118, 103) }
```

Border

The CSS property to change the border of an element to Yxy 18.6033, 0.3454, 0.3574 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(129, 118, 103) }
```

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

```
.border{ border-color:rgb(129, 118, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 118, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 118, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 118, 103);  
box-shadow:4px 4px 4px 4px rgb(129, 118,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6033, 0.3454, 0.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 118, 103) }
```

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

```
.background{ background-color: rgb(129,  
118, 103) }
```

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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