

Converting Colors

$Y_{xy}(18.4553, 0.4017, 0.4331)$

Have a look what the booklet for
Yxy(18.4553, 0.4017, 0.4331)
contains.

Yxy(18.5171, 0.4006, 0.4335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.5171, 0.4006, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	85773D
RGB	133, 119, 61
RGB Percent	52%, 47%, 24%
CMY	0.4784, 0.5333, 0.7608
CMYK	0.00, 0.11, 0.54, 0.48
HSL	48°, 37%, 38%
HSV	48°, 54%, 52%
XYZ	17.1118, 18.5171, 7.0865
YIQ	116.5740, 26.9620, -15.0700

Conversions

Conversions Part 2

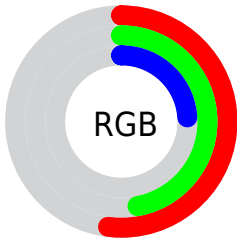
Format	Color
R_{YB}	78, 133, 61
Decimal	8746813
CIE Lab	50.12, -2.66, 33.55
CIE LCh	50, 33.652, 94.533
Yxy	18.5171, 0.4006, 0.4335
Android (android.graphics.Color)	4286936893 (0xFF85773D)
YUV	116.5740, -27.3980, 14.4056
Hunter-Lab	43.0315, -4.3234, 20.3581

Details

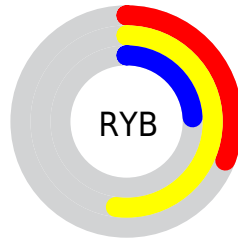
The Yxy color **18.5171, 0.4006, 0.4335** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **7.7164, 0.2190, 0.1948**, and the grayscale version is **17.7308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9430, 0.3823, 0.4106**, and **6.2875, 0.4292, 0.4713** is the 20% darker color. If you saturate the color by 10%, you get **17.7850, 0.4164, 0.4490**, and if you desaturate by 10%, it is **19.3033, 0.3838, 0.4156**.

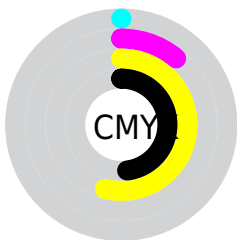
Distribution



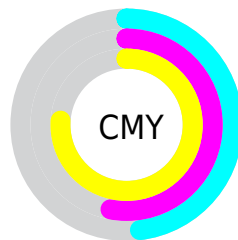
- Red (52%)
- Green (47%)
- Blue (24%)



- Red (31%)
- Yellow (52%)
- Blue (24%)



- Cyan (0%)
- Magenta (11%)
- Yellow (54%)
- Black (48%)





- Cyan (48%)
- Magenta (53%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5171, 0.4006, 0.4335 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 18.5171, 0.4006, 0.4335 by changing the saturation by 10% instead.


 18.5171, 0.4006,
0.4335


 18.5171, 0.4006,
0.4335


 243.7697, 0.3518,
0.3746


 11.3219, 0.4136,
0.4498


 40.9165, 0.3820,
0.4106


 6.2838, 0.4299,
0.4710


 56.8895, 0.3752,
0.4025


 3.0184, 0.4679,
0.5184

 76.5571, 0.3696,
0.3957

 1.1413, 0.4694,
0.5306

 100.3039, 0.3649,
0.3901

 0.0130, 0.0000,
1.0000

 128.5141, 0.3609,
0.3853

 0.0000, 0.0000,
0.0000

 161.5723, 0.3574,

0.3812

199.8627, 0.3545,
0.3777

■ 18.5171, 0.4006,
0.4335

■ 18.5171, 0.4006,
0.4335

■ 17.7850, 0.4164,
0.4490

■ 19.3033, 0.3838,
0.4156

■ 17.1015, 0.4307,
0.4613

■ 20.1434, 0.3668,
0.3962

■ 16.4643, 0.4427,
0.4696

■ 21.0406, 0.3500,
0.3762

■ 15.8693, 0.4521,
0.4736

■ 21.9972, 0.3339,
0.3562

■ 15.5328, 0.4572,
0.4752

■ 23.0151, 0.3187,
0.3368

■ 24.0962, 0.3046,
0.3183

■ 25.2423, 0.2917,
0.3008

■ 26.4552, 0.2799,
0.2846

■ 27.7364, 0.2692,
0.2696

Harmonies

Analogous

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



18.5171, 0.4354, 0.3949



18.5171, 0.4006, 0.4335



18.5171, 0.3441, 0.4456

Triad

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



18.5171, 0.4006, 0.4335



18.5171, 0.2038, 0.2914



18.5171, 0.3349, 0.2600

Complementary

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



18.5171, 0.4006, 0.4335



7.7164, 0.2190, 0.1948

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.



18.5171, 0.2719, 0.2355



18.5171, 0.4006, 0.4335



18.5171, 0.2020, 0.2484

Square

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



18.5171, 0.4006, 0.4335



18.5171, 0.2315, 0.3547



18.5171, 0.2253, 0.2305



18.5171, 0.3972, 0.2993

Rectangle

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



18.5171, 0.4006, 0.4335



18.5171, 0.3023, 0.4308



18.5171, 0.2253, 0.2305



18.5171, 0.3129, 0.2499

Sweetspot

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



18.5180, 0.4006, 0.4335



39.0026, 0.3374, 0.3606



8.8371, 0.4319, 0.3023



8.7199, 0.3401, 0.3641



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.



18.5180, 0.4006, 0.4335



31.5558, 0.4199, 0.4522



20.5170, 0.3608, 0.4674



5.2734, 0.3261, 0.3464



14.8067, 0.4571, 0.4752



0.0611, 0.4365, 0.4916

Inverse Universe

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



7.7164, 0.2190, 0.1948



10.1399, 0.1969, 0.1591



6.8513, 0.2400, 0.1743



4.6804, 0.2992, 0.3110



2.3202, 0.1563, 0.0827



0.0163, 0.1742, 0.1472

Previews

White Background



This preview shows how the Yxy color 18.5171, 0.4006, 0.4335 looks on a white background.

Color Contrast Check

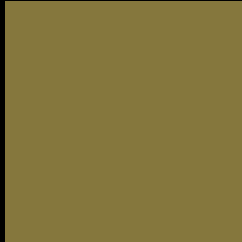
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5171, 0.4006, 0.4335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

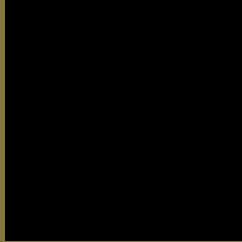
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5171, 0.4006, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 18.5171, 0.4006, 0.4335.



This preview shows how white text looks on a background with the Yxy color 18.5171, 0.4006, 0.4335.

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

18.5171, 0.4006, 0.4335

Protanopia

18.4361, 0.3992, 0.4341

Deuteranopia

18.4934, 0.4223, 0.4168



Tritanopia

18.4578, 0.3374, 0.3131

Trichromacy



Original Color

18.5171, 0.4006, 0.4335

Protanomaly

18.4361, 0.3992, 0.4341

Deuteranomaly

18.5013, 0.4135, 0.4226

Tritanomaly

18.4807, 0.3626, 0.3584

Monochromacy



Original Color

18.5171, 0.4006, 0.4335

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.0309, 0.3448, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5171, 0.4006, 0.4335 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(133, 119, 61)` looks like.

```
.text, #text, p{  
    color:rgb(133, 119, 61)  
}
```

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(133, 119, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 119, 61) }
```

Border

The CSS property to change the border of an element to Yxy 18.5171, 0.4006, 0.4335 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(133, 119, 61) }
```

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

```
.border{ border-color:rgb(133, 119, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 119, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 119, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 119, 61);  
box-shadow:4px 4px 4px 4px rgb(133, 119,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5171, 0.4006, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 119, 61) }
```

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

```
.background{ background-color: rgb(133,  
119, 61) }
```

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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