

Converting Colors

$Y_{xy}(18.7079, 0.4334, 0.4129)$

Have a look what the booklet for
Yxy(18.7079, 0.4334, 0.4129)
contains.

Yxy(18.6007, 0.4337, 0.4119)	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(18.6007, 0.4337, 0.4119)

Conversions

Conversions Part 1

Format	Color
Hex	98703D
RGB	152, 112, 61
RGB Percent	60%, 44%, 24%
CMY	0.4039, 0.5608, 0.7608
CMYK	0.00, 0.26, 0.60, 0.40
HSL	34°, 43%, 42%
HSV	34°, 60%, 60%
XYZ	19.5852, 18.6007, 6.9724
YIQ	118.1460, 40.2110, -7.3810

Conversions

Conversions Part 2

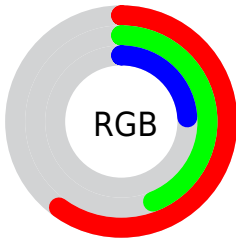
Format	Color
R_{YB}	132, 152, 61
Decimal	9990205
CIE _{Lab}	50.22, 9.91, 34.15
CIE _{LCh}	50, 35.560, 73.822
Yxy	18.6007, 0.4337, 0.4119
Android (android.graphics.Color)	4288180285 (0xFF98703D)
YUV	118.1460, -28.1730, 29.6900
Hunter-Lab	43.1285, 5.5839, 20.6048

Details

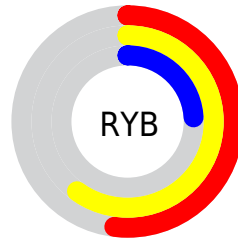
The Yxy color **18.6007, 0.4337, 0.4119** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.5647, 0.2175, 0.2232**, and the grayscale version is **18.2459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2320, 0.4072, 0.3961**, and **6.2952, 0.4790, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **17.0404, 0.4580, 0.4214**, and if you desaturate by 10%, it is **20.3187, 0.4095, 0.3997**.

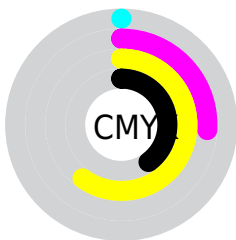
Distribution



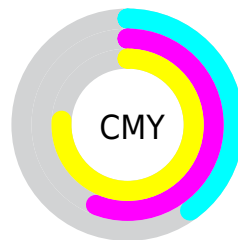
- Red (60%)
- Green (44%)
- Blue (24%)



- Red (52%)
- Yellow (60%)
- Blue (24%)



- Cyan (0%)
- Magenta (26%)
- Yellow (60%)
- Black (40%)



- Cyan (40%)
- Magenta (56%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6007, 0.4337, 0.4119 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 18.6007, 0.4337, 0.4119 by changing the saturation by 10% instead.


 18.6007, 0.4337,
0.4119


 18.6007, 0.4337,
0.4119


244.2354, 0.3654,
0.3679

 11.3821, 0.4527,
0.4224


 41.0583, 0.4072,
0.3959


 6.3245, 0.4775,
0.4343


 57.0661, 0.3977,
0.3898


 3.0434, 0.5294,
0.4631

 76.7724, 0.3899,
0.3847

 1.1544, 0.5502,
0.4498

 100.5616, 0.3833,
0.3803

 0.0240, 0.9169,
0.0831

 128.8181, 0.3778,
0.3765

 0.0000, 0.0000,
0.0000

 161.9263, 0.3731,

0.3733

200.2706, 0.3690,
0.3704

■ 18.6007, 0.4337,
0.4119

■ 18.6007, 0.4337,
0.4119

■ 17.0404, 0.4580,
0.4214

■ 20.3187, 0.4095,
0.3997

■ 15.6286, 0.4813,
0.4270

■ 22.1974, 0.3865,
0.3858

■ 14.3591, 0.5023,
0.4277

■ 24.2432, 0.3650,
0.3712

■ 13.2176, 0.5209,
0.4245

■ 26.4612, 0.3456,
0.3566

■ 13.2034, 0.5211,
0.4244

■ 28.8563, 0.3281,
0.3424

■ 31.4331, 0.3125,
0.3288

■ 34.1958, 0.2988,
0.3162

■ 37.1488, 0.2867,
0.3044

■ 40.2962, 0.2761,
0.2935

Harmonies

Analogous

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



18.6007, 0.4465, 0.3629



18.6007, 0.4337, 0.4119



18.6007, 0.3879, 0.4469

Triad

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



18.6007, 0.4337, 0.4119



18.6007, 0.2155, 0.3338



18.6007, 0.2888, 0.2371

Complementary

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



18.6007, 0.4337, 0.4119



12.5647, 0.2175, 0.2232

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.



18.6007, 0.2336, 0.2250



18.6007, 0.4337, 0.4119



18.6007, 0.1951, 0.2723

Square

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



18.6007, 0.4337, 0.4119



18.6007, 0.2617, 0.4036



18.6007, 0.2015, 0.2357



18.6007, 0.3575, 0.2680

Rectangle

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



18.6007, 0.4337, 0.4119



18.6007, 0.3467, 0.4526



18.6007, 0.2015, 0.2357



18.6007, 0.2682, 0.2307

Sweetspot

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



18.6016, 0.4337, 0.4119



47.3297, 0.3428, 0.3544



10.9708, 0.4074, 0.2627



10.5064, 0.3478, 0.3583



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



18.6016, 0.4337, 0.4119



29.1692, 0.4664, 0.4238



29.0375, 0.3903, 0.4686



6.7681, 0.3270, 0.3415



11.1334, 0.5203, 0.4251



0.2388, 0.4684, 0.4663

Inverse Universe

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



12.5647, 0.2175, 0.2232



17.5611, 0.1986, 0.1943



6.7468, 0.2041, 0.1442



6.4507, 0.2989, 0.3162



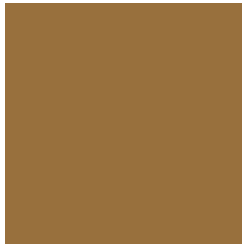
5.3068, 0.1728, 0.1421



0.1501, 0.1950, 0.2219

Previews

White Background



This preview shows how the Yxy color 18.6007, 0.4337, 0.4119 looks on a white background.

Color Contrast Check

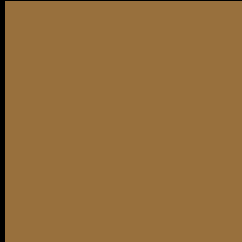
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6007, 0.4337, 0.4119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

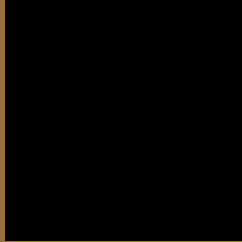
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6007, 0.4337, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 18.6007, 0.4337, 0.4119.



This preview shows how white text looks on a background with the Yxy color 18.6007, 0.4337, 0.4119.

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

18.6007, 0.4337, 0.4119

Protanopia

18.7086, 0.3951, 0.4308

Deuteranopia

18.5639, 0.4259, 0.4191



Tritanopia

18.5909, 0.3722, 0.3159

Trichromacy



Original Color

18.6007, 0.4337, 0.4119

Protanomaly

18.5704, 0.4086, 0.4238

Deuteranomaly

18.5261, 0.4297, 0.4165

Tritanomaly

18.5199, 0.3970, 0.3510

Monochromacy



Original Color

18.6007, 0.4337, 0.4119

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0997, 0.3551, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6007, 0.4337, 0.4119 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(152, 112, 61)` looks like.

```
.text, #text, p{  
    color:rgb(152, 112, 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(152, 112, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 112, 61) }
```

Border

The CSS property to change the border of an element to Yxy 18.6007, 0.4337, 0.4119 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(152, 112, 61) }
```

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

```
.border{ border-color:rgb(152, 112, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 112, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 112, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 112, 61);  
box-shadow:4px 4px 4px 4px rgb(152, 112,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6007, 0.4337, 0.4119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 112, 61) }
```

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

```
.background{ background-color: rgb(152,  
112, 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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