

Converting Colors

$Y_{xy}(17.9604, 0.4515, 0.3992)$

Have a look what the booklet for
Yxy(17.9604, 0.4515, 0.3992)
contains.

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Color

Yxy(18.0052, 0.4508, 0.4005)

Conversions

Conversions Part 1

Format	Color
Hex	9F6A3C
RGB	159, 106, 60
RGB Percent	62%, 42%, 24%
CMY	0.3765, 0.5843, 0.7646
CMYK	0.00, 0.33, 0.62, 0.38
HSL	28°, 45%, 43%
HSV	28°, 62%, 62%
XYZ	20.2665, 18.0052, 6.6851
YIQ	116.6030, 46.3540, -3.0700

Conversions

Conversions Part 2

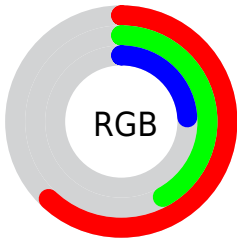
Format	Color
R_{YB}	159, 146, 60
Decimal	10447420
CIE Lab	49.50, 16.37, 34.03
CIE LCh	50, 37.768, 64.310
Yxy	18.0052, 0.4508, 0.4005
Android (android.graphics.Color)	4288637500 (0xFF9F6A3C)
YUV	116.6030, -27.9053, 37.1822
Hunter-Lab	42.4325, 10.9978, 20.3619

Details

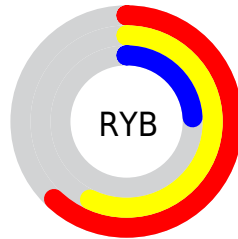
The Yxy color **18.0052, 0.4508, 0.4005** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.2750, 0.2181, 0.2375**, and the grayscale version is **17.7381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9698, 0.4205, 0.3869**, and **6.0009, 0.5038, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **16.1942, 0.4794, 0.4071**, and if you desaturate by 10%, it is **20.0427, 0.4228, 0.3910**.

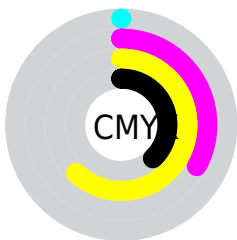
Distribution



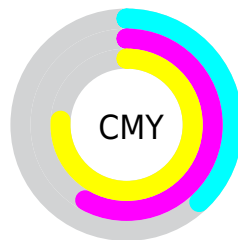
- Red (62%)
- Green (42%)
- Blue (24%)



- Red (62%)
- Yellow (57%)
- Blue (24%)



- Cyan (0%)
- Magenta (33%)
- Yellow (62%)
- Black (38%)




- Cyan (38%)
- Magenta (58%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0052, 0.4508, 0.4005 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 18.0052, 0.4508, 0.4005 by changing the saturation by 10% instead.


 18.0052, 0.4508,
0.4005


 18.0052, 0.4508,
0.4005


240.9004, 0.3721,
0.3641


 10.9537, 0.4731,
0.4081


 40.0462, 0.4200,
0.3879


 6.0357, 0.5024,
0.4155

 55.8045, 0.4090,
0.3828

 2.8668, 0.5632,
0.4368

 75.2338, 0.4001,
0.3785

 1.0626, 0.5904,
0.4096

 98.7187, 0.3926,
0.3748

 0.0000, 1.0000,
0.0000

 126.6433, 0.3862,
0.3716

 0.0000, 0.0000,
0.0000

 159.3922, 0.3808,

0.3688

197.3498, 0.3762,
0.3663

■ 18.0052, 0.4508,
0.4005

■ 18.0052, 0.4508,
0.4005

■ 16.1942, 0.4794,
0.4071

■ 20.0427, 0.4228,
0.3910

■ 14.5972, 0.5071,
0.4094

■ 22.3130, 0.3965,
0.3796

■ 13.2043, 0.5318,
0.4067

■ 24.8252, 0.3726,
0.3674

■ 12.2509, 0.5493,
0.4021

■ 27.5872, 0.3512,
0.3550

■ 30.6064, 0.3325,
0.3429

■ 33.8899, 0.3161,
0.3315

■ 37.4446, 0.3019,
0.3208

■ 41.2769, 0.2895,
0.3108

■ 45.3930, 0.2788,
0.3017

Harmonies

Analogous

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



18.0052, 0.4514, 0.3468



18.0052, 0.4508, 0.4005



18.0052, 0.4108, 0.4455

Triad

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



18.0052, 0.4508, 0.4005



18.0052, 0.2216, 0.3582



18.0052, 0.2659, 0.2250

Complementary

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



18.0052, 0.4508, 0.4005



15.2750, 0.2181, 0.2375

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.



18.0052, 0.2147, 0.2192



18.0052, 0.4508, 0.4005



18.0052, 0.1913, 0.2860

Square

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



18.0052, 0.4508, 0.4005



18.0052, 0.2778, 0.4297



18.0052, 0.1894, 0.2384



18.0052, 0.3367, 0.2518

Rectangle

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



18.0052, 0.4508, 0.4005



18.0052, 0.3699, 0.4613



18.0052, 0.1894, 0.2384



18.0052, 0.2462, 0.2205

Sweetspot

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



18.0061, 0.4508, 0.4005



50.9268, 0.3456, 0.3515



11.8291, 0.3942, 0.2457



11.1612, 0.3509, 0.3548



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.0061, 0.4508, 0.4005



27.7656, 0.4912, 0.4086



30.8208, 0.4022, 0.4648



7.1287, 0.3273, 0.3394



9.7598, 0.5479, 0.4032



0.2584, 0.4873, 0.4513

Inverse Universe

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



15.2750, 0.2181, 0.2375



22.4110, 0.2009, 0.2123



7.2414, 0.1966, 0.1422



6.9937, 0.2988, 0.3184



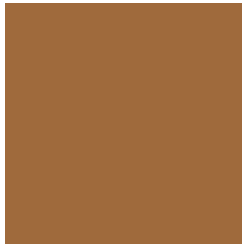
7.2076, 0.1814, 0.1730



0.2132, 0.2002, 0.2407

Previews

White Background



This preview shows how the Yxy color 18.0052, 0.4508, 0.4005 looks on a white background.

Color Contrast Check

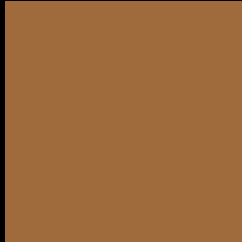
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.0052, 0.4508, 0.4005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

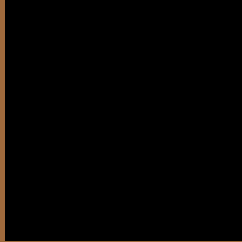
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0052, 0.4508, 0.4005

Background



This preview shows how black text looks on a background with the Yxy color 18.0052, 0.4508, 0.4005.



This preview shows how white text looks on a background with the Yxy color 18.0052, 0.4508, 0.4005.

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

18.0052, 0.4508, 0.4005

Protanopia

18.0729, 0.3941, 0.4288

Deuteranopia

17.9239, 0.4265, 0.4186



Tritanopia

17.8784, 0.3922, 0.3164

Trichromacy



Original Color

18.0052, 0.4508, 0.4005

Protanomaly

18.0562, 0.4143, 0.4180

Deuteranomaly

17.9517, 0.4355, 0.4127

Tritanomaly

17.8351, 0.4152, 0.3471

Monochromacy



Original Color

18.0052, 0.4508, 0.4005

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.5603, 0.3606, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0052, 0.4508, 0.4005 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(159, 106, 60)` looks like.

```
.text, #text, p{  
    color:rgb(159, 106, 60)  
}
```

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(159, 106, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 106, 60) }
```

Border

The CSS property to change the border of an element to Yxy 18.0052, 0.4508, 0.4005 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(159, 106, 60) }
```

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

```
.border{ border-color:rgb(159, 106, 60) }
```

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

Here you see how a box with a 4 pixel rgb(159, 106, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 106, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 106, 60);  
box-shadow:4px 4px 4px 4px rgb(159, 106,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0052, 0.4508, 0.4005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 106, 60) }
```

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

```
.background{ background-color: rgb(159,  
106, 60) }
```

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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