

Converting Colors

$Y_{xy}(18.5249, 0.4840, 0.5160)$

Have a look what the booklet for
Yxy(18.5249, 0.4840, 0.5160)
contains.

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Color

Yxy(18.6519, 0.4560, 0.4761)

Conversions

Conversions Part 1

Format	Color
Hex	907500
RGB	144, 117, 0
RGB Percent	56%, 46%, 0%
CMY	0.4353, 0.5412, 0.9998
CMYK	0.00, 0.19, 1.00, 0.44
HSL	49°, 100%, 28%
HSV	49°, 100%, 56%
XYZ	17.8645, 18.6519, 2.6601
YIQ	111.7350, 53.6490, -30.6630

Conversions

Conversions Part 2

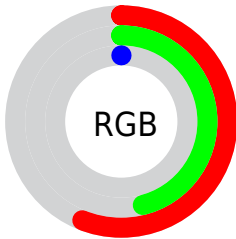
Format	Color
R_{YB}	33, 144, 0
Decimal	9467136
CIE Lab	50.28, 0.73, 56.24
CIE LCh	50, 56.243, 89.256
Yxy	18.6519, 0.4560, 0.4761
Android (android.graphics.Color)	4287657216 (0xFF907500)
YUV	111.7350, -55.0854, 28.2964
Hunter-Lab	43.1878, -1.7430, 26.5796

Details

The Yxy color **18.6519, 0.4560, 0.4761** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.8013, 0.1557, 0.0803**, and the grayscale version is **16.2768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3027, 0.4313, 0.4513**, and **6.3801, 0.4618, 0.4715** is the 20% darker color. If you saturate the color by 10%, you get **18.6501, 0.4560, 0.4761**, and if you desaturate by 10%, it is **19.3245, 0.4478, 0.4738**.

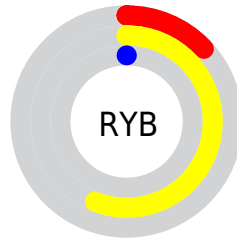
Distribution



Red (56%)

Green (46%)

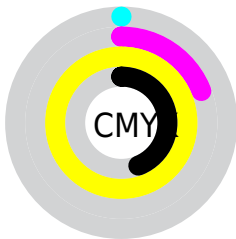
Blue (0%)



Red (13%)

Yellow (56%)

Blue (0%)

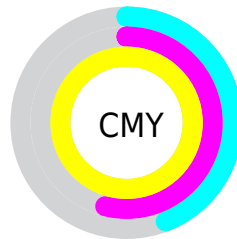


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6519, 0.4560, 0.4761 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 18.6519, 0.4560, 0.4761 by changing the saturation by 10% instead.


 18.6519, 0.4560,
0.4761


 18.6519, 0.4560,
0.4761


244.5203, 0.3825,
0.4011


 11.4190, 0.4702,
0.4902


 41.1451, 0.4311,
0.4509


 6.3494, 0.4900,
0.5100


 57.1741, 0.4209,
0.4405


 3.0587, 0.4908,
0.5092

 76.9040, 0.4121,
0.4315

 1.1625, 0.4921,
0.5079

 100.7192, 0.4045,
0.4237

 0.0307, 0.6049,
0.3951


 129.0040, 0.3979,
0.4169


 0.0000, 0.0000,
0.0000


 162.1429, 0.3921,


0.4110

 200.5202, 0.3870,
0.4058


 18.6519, 0.4560,
0.4761


 18.6519, 0.4560,
0.4761


 18.6501, 0.4560,
0.4761

 19.3245, 0.4478,
0.4738

 20.0367, 0.4376,
0.4681

 20.8006, 0.4249,
0.4582

 21.6205, 0.4101,
0.4444

 22.5002, 0.3939,
0.4276

■ 23.4428, 0.3770,
0.4088

■ 24.4513, 0.3599,
0.3888

■ 25.5285, 0.3433,
0.3684

■ 26.6768, 0.3275,
0.3483

Harmonies

Analogous

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



18.6519, 0.5117, 0.4038



18.6519, 0.4560, 0.4761



18.6519, 0.3685, 0.5252

Triad

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



18.6519, 0.4560, 0.4761



18.6519, 0.1492, 0.2763



18.6519, 0.3264, 0.2149

Complementary

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



18.6519, 0.4560, 0.4761



2.8013, 0.1557, 0.0803

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.



18.6519, 0.2305, 0.1841



18.6519, 0.4560, 0.4761



18.6519, 0.1432, 0.2071

Square

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



18.6519, 0.4560, 0.4761



18.6519, 0.1923, 0.3906



18.6519, 0.1696, 0.1798



18.6519, 0.4358, 0.2674

Rectangle

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



18.6519, 0.4560, 0.4761



18.6519, 0.3040, 0.5192



18.6519, 0.1696, 0.1798



18.6519, 0.2912, 0.2019

Sweetspot

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



18.6528, 0.4560, 0.4761



42.9999, 0.3610, 0.3901



6.0194, 0.6031, 0.3096



9.7042, 0.3675, 0.3977



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



18.6528, 0.4560, 0.4761



32.6627, 0.4569, 0.4754



22.7061, 0.3683, 0.5458



6.1158, 0.3263, 0.3468



16.2703, 0.4558, 0.4763



0.1843, 0.4359, 0.4921

Inverse Universe

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



2.8013, 0.1557, 0.0803



4.7494, 0.1549, 0.0776



2.5341, 0.1720, 0.0721



5.4086, 0.2990, 0.3106



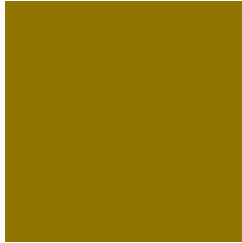
2.4642, 0.1559, 0.0810



0.0479, 0.1735, 0.1446

Previews

White Background



This preview shows how the Yxy color 18.6519, 0.4560, 0.4761 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 Xy color 18.6519, 0.4560, 0.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

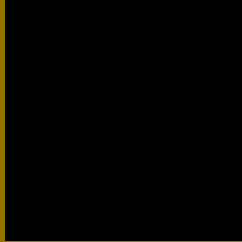
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6519, 0.4560, 0.4761

Background



This preview shows how black text looks on a background with the Yxy color 18.6519, 0.4560, 0.4761.



This preview shows how white text looks on a background with the Yxy color 18.6519, 0.4560, 0.4761.

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

18.6519, 0.4560, 0.4761

Protanopia

18.5970, 0.4380, 0.4866

Deuteranopia

18.7342, 0.4676, 0.4604



Tritanopia

18.7057, 0.3586, 0.3155

Trichromacy



Original Color

18.6519, 0.4560, 0.4761

Protanomaly

18.6057, 0.4440, 0.4831

Deuteranomaly

18.6664, 0.4634, 0.4660

Tritanomaly

18.3787, 0.4126, 0.3941

Monochromacy



Original Color

18.6519, 0.4560, 0.4761

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.7746, 0.3807, 0.4129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6519, 0.4560, 0.4761 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(144, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 117, 0)  
}
```

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(144, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.6519, 0.4560, 0.4761 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(144, 117, 0) }
```

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

```
.border{ border-color:rgb(144, 117, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 117, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6519, 0.4560, 0.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 117, 0) }
```

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

```
.background{ background-color: rgb(144,  
117, 0) }
```

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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