

Converting Colors

$Y_{xy}(18.4932, 0.4550, 0.4769)$

Have a look what the booklet for
Yxy(18.4932, 0.4550, 0.4769)
contains.

Yxy(18.5622, 0.4547, 0.4772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.5622, 0.4547, 0.4772)

Conversions

Conversions Part 1

Format	Color
Hex	8F7500
RGB	143, 117, 0
RGB Percent	56%, 46%, 0%
CMY	0.4393, 0.5411, 1.0000
CMYK	0.00, 0.18, 1.00, 0.44
HSL	49°, 100%, 28%
HSV	49°, 100%, 56%
XYZ	17.6870, 18.5622, 2.6490
YIQ	111.4360, 53.0530, -30.8750

Conversions

Conversions Part 2

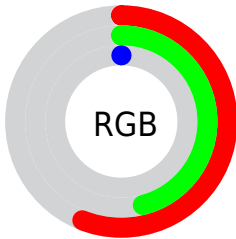
Format	Color
R_{YB}	32, 143, 0
Decimal	9401600
CIE _{Lab}	50.17, 0.24, 56.14
CIE _{LCh}	50, 56.136, 89.757
Yxy	18.5622, 0.4547, 0.4772
Android (android.graphics.Color)	4287591680 (0xFF8F7500)
YUV	111.4360, -54.9379, 27.6816
Hunter-Lab	43.0839, -2.1181, 26.5133

Details

The Yxy color **18.5622, 0.4547, 0.4772** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.7205, 0.1554, 0.0794**, and the grayscale version is **16.1818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1636, 0.4303, 0.4519**, and **6.3310, 0.4598, 0.4731** is the 20% darker color. If you saturate the color by 10%, you get **18.5632, 0.4547, 0.4772**, and if you desaturate by 10%, it is **19.2096, 0.4467, 0.4747**.

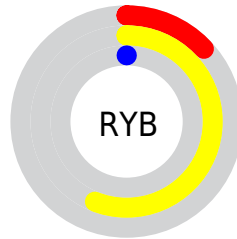
Distribution



Red (56%)

Green (46%)

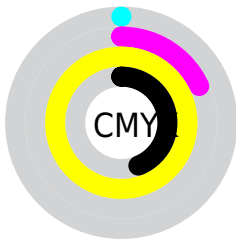
Blue (0%)



Red (13%)

Yellow (56%)

Blue (0%)

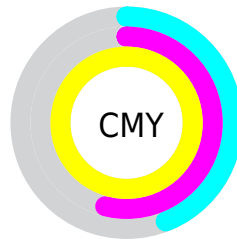


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5622, 0.4547, 0.4772 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 18.5622, 0.4547, 0.4772 by changing the saturation by 10% instead.


 18.5622, 0.4547,
0.4772


 18.5622, 0.4547,
0.4772


244.0211, 0.3819,
0.4014


 11.3544, 0.4686,
0.4916


 40.9930, 0.4300,
0.4516


 6.3057, 0.4882,
0.5118


 56.9848, 0.4199,
0.4411

 3.0319, 0.4884,
0.5116

 76.6733, 0.4112,
0.4320

 1.1484, 0.4889,
0.5111

 100.4429, 0.4037,
0.4241


 0.0189, 0.5570,
0.4430


 128.6782, 0.3971,
0.4173

 0.0000, 0.0000,
0.0000


 161.7633, 0.3914,

0.4113


 200.0828, 0.3864,
0.4060

 18.5622, 0.4547,
0.4772


 18.5622, 0.4547,
0.4772


 18.5632, 0.4547,
0.4772

 19.2096, 0.4467,
0.4747

 19.8946, 0.4367,
0.4690

 20.6293, 0.4242,
0.4589

 21.4181, 0.4096,
0.4451

 22.2644, 0.3936,
0.4283

■ 23.1714, 0.3768,
0.4093

■ 24.1421, 0.3599,
0.3892

■ 25.1792, 0.3433,
0.3687

■ 26.2850, 0.3275,
0.3485

Harmonies

Analogous

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



18.5622, 0.5112, 0.4050



18.5622, 0.4547, 0.4772



18.5622, 0.3669, 0.5255

Triad

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



18.5622, 0.4547, 0.4772



18.5622, 0.1489, 0.2748



18.5622, 0.3282, 0.2156

Complementary

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



18.5622, 0.4547, 0.4772



2.7205, 0.1554, 0.0794

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.



18.5622, 0.2318, 0.1844



18.5622, 0.4547, 0.4772



18.5622, 0.1434, 0.2064

Square

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



18.5622, 0.4547, 0.4772



18.5622, 0.1913, 0.3884



18.5622, 0.1704, 0.1797



18.5622, 0.4374, 0.2685

Rectangle

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



18.5622, 0.4547, 0.4772



18.5622, 0.3024, 0.5185



18.5622, 0.1704, 0.1797



18.5622, 0.2929, 0.2025

Sweetspot

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



18.5632, 0.4547, 0.4772



43.1303, 0.3609, 0.3905



5.9139, 0.6075, 0.3120



9.7375, 0.3673, 0.3982



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.



18.5632, 0.4547, 0.4772



33.0223, 0.4555, 0.4765



22.2211, 0.3656, 0.5479



6.1211, 0.3263, 0.3469



16.4445, 0.4545, 0.4773



0.1853, 0.4353, 0.4926

Inverse Universe

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



2.7205, 0.1554, 0.0794



4.6852, 0.1547, 0.0767



2.5470, 0.1741, 0.0733



5.4037, 0.2990, 0.3105



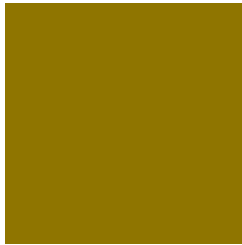
2.4298, 0.1556, 0.0801



0.0469, 0.1729, 0.1424

Previews

White Background



This preview shows how the Yxy color 18.5622, 0.4547, 0.4772 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 18.5622, 0.4547, 0.4772 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 18.5622, 0.4547, 0.4772

Background



This preview shows how black text looks on a background with the Yxy color 18.5622, 0.4547, 0.4772.



This preview shows how white text looks on a background with the Yxy color 18.5622, 0.4547, 0.4772.

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

18.5622, 0.4547, 0.4772

Protanopia

18.5970, 0.4380, 0.4866

Deuteranopia

18.4137, 0.4679, 0.4600



Tritanopia

18.6112, 0.3572, 0.3155

Trichromacy



Original Color

18.5622, 0.4547, 0.4772

Protanomaly

18.6057, 0.4440, 0.4831

Deuteranomaly

18.3459, 0.4637, 0.4657

Tritanomaly

18.2858, 0.4113, 0.3945

Monochromacy



Original Color

18.5622, 0.4547, 0.4772

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4761, 0.3800, 0.4116

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5622, 0.4547, 0.4772 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(143, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 117, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5622, 0.4547, 0.4772 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(143, 117, 0) }
```

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

```
.border{ border-color:rgb(143, 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(143, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 117,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5622, 0.4547, 0.4772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 117, 0) }
```

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

```
.background{ background-color: rgb(143,  
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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