

Converting Colors

$Y_{xy}(18.6825, 0.4643, 0.5357)$

Have a look what the booklet for
Yxy(18.6825, 0.4643, 0.5357)
contains.

Yxy(18.9874, 0.4355, 0.4924)	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(18.9874, 0.4355, 0.4924)

Conversions

Conversions Part 1

Format	Color
Hex	867A00
RGB	134, 122, 0
RGB Percent	53%, 48%, 0%
CMY	0.4744, 0.5216, 0.9999
CMYK	0.00, 0.09, 1.00, 0.47
HSL	55°, 100%, 26%
HSV	55°, 100%, 53%
XYZ	16.7933, 18.9874, 2.7802
YIQ	111.6800, 46.3140, -35.3980

Conversions

Conversions Part 2

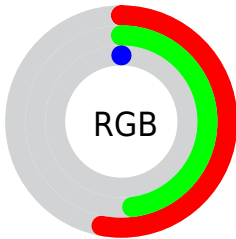
Format	Color
R_{YB}	13, 134, 0
Decimal	8813056
CIE Lab	50.67, -6.81, 56.06
CIE LCh	51, 56.471, 96.931
Yxy	18.9874, 0.4355, 0.4924
Android (android.graphics.Color)	4287003136 (0xFF867A00)
YUV	111.6800, -55.0582, 19.5746
Hunter-Lab	43.5745, -7.4629, 26.7192

Details

The Yxy color **18.9874, 0.4355, 0.4924** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.9858, 0.1523, 0.0682**, and the grayscale version is **16.2605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7301, 0.4157, 0.4617**, and **6.6030, 0.4318, 0.4953** is the 20% darker color. If you saturate the color by 10%, you get **18.9878, 0.4355, 0.4924**, and if you desaturate by 10%, it is **19.3155, 0.4302, 0.4883**.

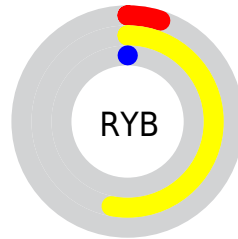
Distribution



Red (53%)

Green (48%)

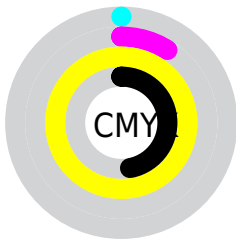
Blue (0%)



Red (5%)

Yellow (53%)

Blue (0%)

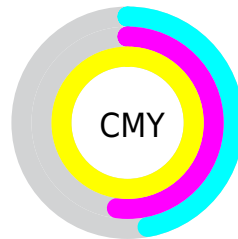


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.9874, 0.4355, 0.4924 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 18.9874, 0.4355, 0.4924 by changing the saturation by 10% instead.

18.9874, 0.4355,
0.4924

18.9874, 0.4355,
0.4924

246.3792, 0.3742,
0.4059

11.6612, 0.4460,
0.5109

41.7128, 0.4154,
0.4619

6.5134, 0.4615,
0.5385

57.8808, 0.4069,
0.4499

3.1597, 0.4544,
0.5456

77.7648, 0.3995,
0.4396

1.2157, 0.4417,
0.5583

101.7492, 0.3931,
0.4308


0.0744, 0.0000,
1.0000

130.2185, 0.3874,
0.4233


0.0000, 0.0000,
0.0000

163.5570, 0.3825,


0.4167

 202.1491, 0.3781,
0.4109


 18.9874, 0.4355,
0.4924


 18.9874, 0.4355,
0.4924


 18.9878, 0.4355,
0.4924

 19.3155, 0.4302,
0.4883

 19.6644, 0.4231,
0.4812

 20.0452, 0.4135,
0.4701

 20.4615, 0.4016,
0.4551

 20.9160, 0.3880,
0.4370

■ 21.4115, 0.3732,
0.4167

■ 21.9504, 0.3578,
0.3950

■ 22.5347, 0.3423,
0.3727

■ 23.1666, 0.3272,
0.3505

Harmonies

Analogous

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



18.9874, 0.5017, 0.4226



18.9874, 0.4355, 0.4924



18.9874, 0.3439, 0.5275

Triad

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



18.9874, 0.4355, 0.4924



18.9874, 0.1447, 0.2541



18.9874, 0.3547, 0.2267

Complementary

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



18.9874, 0.4355, 0.4924



1.9858, 0.1523, 0.0682

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.



18.9874, 0.2521, 0.1898



18.9874, 0.4355, 0.4924



18.9874, 0.1471, 0.1968

Square

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



18.9874, 0.4355, 0.4924



18.9874, 0.1777, 0.3584



18.9874, 0.1819, 0.1784



18.9874, 0.4597, 0.2834

Rectangle

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



18.9874, 0.4355, 0.4924



18.9874, 0.2797, 0.5048



18.9874, 0.1819, 0.1784



18.9874, 0.3180, 0.2118

Sweetspot

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



18.9883, 0.4355, 0.4924



38.5966, 0.3589, 0.3965



5.1004, 0.6245, 0.3214



8.6175, 0.3644, 0.4043



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.



18.9883, 0.4355, 0.4924



33.3307, 0.4359, 0.4921



18.7790, 0.3528, 0.5581



5.3535, 0.3259, 0.3486



17.7972, 0.4355, 0.4924



0.0668, 0.4267, 0.4994

Inverse Universe

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



1.9858, 0.1523, 0.0682



3.3902, 0.1518, 0.0663



2.4960, 0.1870, 0.0804



4.6068, 0.2992, 0.3086



1.8680, 0.1524, 0.0684



0.0106, 0.1623, 0.1041

Previews

White Background



This preview shows how the Yxy color 18.9874, 0.4355, 0.4924 looks on a white background.

Color Contrast Check

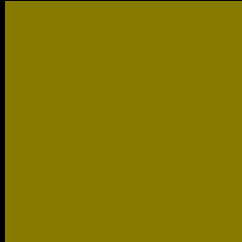
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9874, 0.4355, 0.4924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

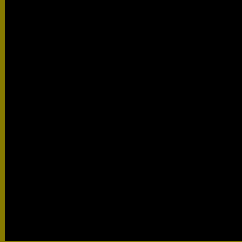
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9874, 0.4355, 0.4924

Background



This preview shows how black text looks on a background with the Yxy color 18.9874, 0.4355, 0.4924.

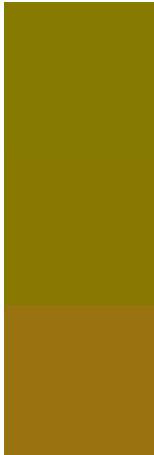


This preview shows how white text looks on a background with the Yxy color 18.9874, 0.4355, 0.4924.

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

18.9874, 0.4355, 0.4924

Protanopia

18.9090, 0.4396, 0.4892

Deuteranopia

19.0712, 0.4656, 0.4586



Tritanopia

18.8781, 0.3386, 0.3133

Trichromacy



Original Color

18.9874, 0.4355, 0.4924

Protanomaly

18.8256, 0.4382, 0.4902

Deuteranomaly

19.0898, 0.4542, 0.4716

Tritanomaly

18.4441, 0.3905, 0.3978

Monochromacy



Original Color

18.9874, 0.4355, 0.4924

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.9388, 0.3735, 0.4182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9874, 0.4355, 0.4924 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(134, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(134, 122, 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(134, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.9874, 0.4355, 0.4924 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(134, 122, 0) }
```

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

```
.border{ border-color:rgb(134, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(134, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(134, 122,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9874, 0.4355, 0.4924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 122, 0) }
```

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

```
.background{ background-color: rgb(134,  
122, 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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