

Converting Colors

$Y_{xy}(15.8866, 0.5007, 0.4404)$

Have a look what the booklet for
Yxy(15.8866, 0.5007, 0.4404)
contains.

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Color

Yxy(15.9916, 0.5007, 0.4406)

Conversions

Conversions Part 1

Format	Color
Hex	9C6300
RGB	156, 99, 0
RGB Percent	61%, 39%, 0%
CMY	0.3882, 0.6118, 0.9998
CMYK	0.00, 0.37, 1.00, 0.39
HSL	38°, 100%, 31%
HSV	38°, 100%, 61%
XYZ	18.1729, 15.9916, 2.1305
YIQ	104.7570, 65.7510, -18.7050

Conversions

Conversions Part 2

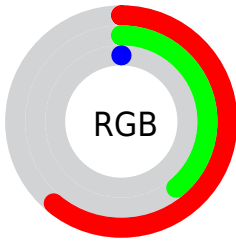
Format	Color
R_{YB}	90, 156, 0
Decimal	10248960
CIE _{Lab}	46.96, 16.65, 54.66
CIE _{LCh}	47, 57.145, 73.056
Yxy	15.9916, 0.5007, 0.4406
Android (android.graphics.Color)	4288439040 (0xFF9C6300)
YUV	104.7570, -51.6452, 44.9401
Hunter-Lab	39.9895, 11.1364, 24.8339

Details

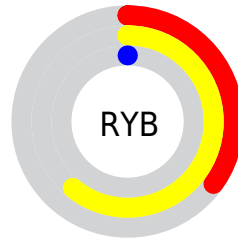
The Yxy color **15.9916, 0.5007, 0.4406** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.3334, 0.1664, 0.1188**, and the grayscale version is **14.1888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5967, 0.4638, 0.4268**, and **5.1086, 0.5253, 0.4211** is the 20% darker color. If you saturate the color by 10%, you get **15.9879, 0.5008, 0.4406**, and if you desaturate by 10%, it is **17.1477, 0.4856, 0.4423**.

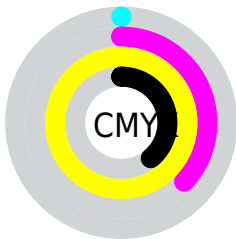
Distribution



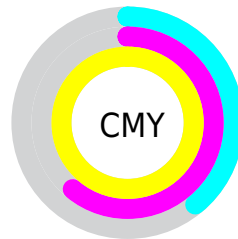
- Red (61%)
- Green (39%)
- Blue (0%)



- Red (35%)
- Yellow (61%)
- Blue (0%)



- Cyan (0%)
- Magenta (37%)
- Yellow (100%)
- Black (39%)





- Cyan (39%)
- Magenta (61%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9916, 0.5007, 0.4406 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 15.9916, 0.5007, 0.4406 by changing the saturation by 10% instead.


 15.9916, 0.5007,
0.4406


 15.9916, 0.5007,
0.4406


 229.2921, 0.3991,
0.3896


 9.5182, 0.5240,
0.4463


 36.5836, 0.4644,
0.4262


 5.0807, 0.5517,
0.4483

 51.4710, 0.4502,
0.4192


 2.2947, 0.5700,
0.4300

 69.9319, 0.4382,
0.4128

 0.7709, 0.6040,
0.3960

 92.3507, 0.4280,
0.4071


 0.0000, 1.0000,
0.0000


 119.1117, 0.4192,
0.4019


 0.0000, 0.0000,
0.0000


 150.5993, 0.4116,

0.3974


 187.1980, 0.4049,
0.3933


 15.9916, 0.5007,
0.4406


 15.9916, 0.5007,
0.4406


 15.9879, 0.5008,
0.4406

 17.1477, 0.4856,
0.4423

 18.4084, 0.4682,
0.4401

 19.7884, 0.4483,
0.4332

 21.2940, 0.4270,
0.4223

 22.9311, 0.4053,
0.4086

■ 24.7048, 0.3840,
0.3931

■ 26.6198, 0.3638,
0.3768

■ 28.6807, 0.3451,
0.3603

■ 30.8916, 0.3281,
0.3443

Harmonies

Analogous

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



15.9916, 0.5317, 0.3641



15.9916, 0.5007, 0.4406



15.9916, 0.4217, 0.5136

Triad

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



15.9916, 0.5007, 0.4406



15.9916, 0.1590, 0.3330



15.9916, 0.2677, 0.1882

Complementary

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



15.9916, 0.5007, 0.4406



5.3334, 0.1664, 0.1188

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.



15.9916, 0.1864, 0.1706



15.9916, 0.5007, 0.4406



15.9916, 0.1336, 0.2320

Square

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



15.9916, 0.5007, 0.4406



15.9916, 0.2257, 0.4663



15.9916, 0.1433, 0.1823



15.9916, 0.3816, 0.2315

Rectangle

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



15.9916, 0.5007, 0.4406



15.9916, 0.3565, 0.5408



15.9916, 0.1433, 0.1823



15.9916, 0.2362, 0.1793

Sweetspot

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



15.9924, 0.5007, 0.4406



48.1188, 0.3651, 0.3778



7.3674, 0.5479, 0.2792



10.2844, 0.3728, 0.3842



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



15.9924, 0.5007, 0.4406



28.6518, 0.5027, 0.4390



28.9466, 0.3963, 0.5235



7.3122, 0.3269, 0.3432



13.2361, 0.5000, 0.4412



0.3148, 0.4609, 0.4722

Inverse Universe

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



5.3334, 0.1664, 0.1188



9.3334, 0.1654, 0.1153



2.5596, 0.1558, 0.0632



6.8125, 0.2988, 0.3144



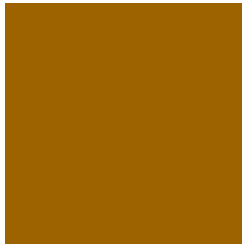
4.4508, 0.1667, 0.1201



0.1568, 0.1884, 0.1981

Previews

White Background



This preview shows how the Yxy color 15.9916, 0.5007, 0.4406 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 15.9916, 0.5007, 0.4406 looks on a black 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

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

Yxy 15.9916, 0.5007, 0.4406

Background



This preview shows how black text looks on a background with the Yxy color 15.9916, 0.5007, 0.4406.



This preview shows how white text looks on a background with the Yxy color 15.9916, 0.5007, 0.4406.

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

15.9916, 0.5007, 0.4406

Protanopia

16.0481, 0.4360, 0.4840

Deuteranopia

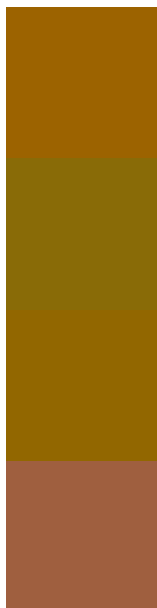
15.9708, 0.4699, 0.4651



Tritanopia

16.0287, 0.4081, 0.3179

Trichromacy



Original Color

15.9916, 0.5007, 0.4406

Protanomaly

15.8491, 0.4606, 0.4675

Deuteranomaly

15.8115, 0.4816, 0.4558

Tritanomaly

15.9142, 0.4597, 0.3793

Monochromacy



Original Color

15.9916, 0.5007, 0.4406

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.3908, 0.3948, 0.4008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9916, 0.5007, 0.4406 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(156, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(156, 99, 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(156, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 99, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.9916, 0.5007, 0.4406 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(156, 99, 0) }
```

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

```
.border{ border-color:rgb(156, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(156, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(156, 99, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.9916, 0.5007, 0.4406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 99, 0) }
```

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

```
.background{ background-color: rgb(156, 99,  
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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