

Converting Colors

$Y_{xy}(15.3597, 0.4935, 0.5052)$

Have a look what the booklet for
Yxy(15.3597, 0.4935, 0.5052)
contains.

Yxy(15.6264, 0.4646, 0.4693)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6264, 0.4646, 0.4693)

Conversions

Conversions Part 1

Format	Color
Hex	896A00
RGB	137, 106, 0
RGB Percent	54%, 42%, 0%
CMY	0.4628, 0.5843, 1.0000
CMYK	0.00, 0.23, 1.00, 0.46
HSL	46°, 100%, 27%
HSV	46°, 100%, 54%
XYZ	15.4699, 15.6264, 2.2009
YIQ	103.1850, 52.5020, -26.3940

Conversions

Conversions Part 2

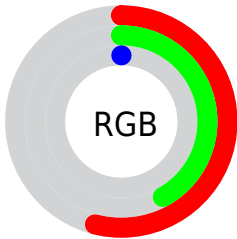
Format	Color
RYB	40, 137, 0
Decimal	9005568
CIELab	46.48, 3.68, 53.24
CIELCh	46, 53.371, 86.045
Yxy	15.6264, 0.4646, 0.4693
Android (android.graphics.Color)	4287195648 (0xFF896A00)
YUV	103.1850, -50.8702, 29.6558
Hunter-Lab	39.5302, 0.6769, 24.3700

Details

The Yxy color **15.6264, 0.4646, 0.4693** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.7859, 0.1577, 0.0878**, and the grayscale version is **13.7428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9311, 0.4356, 0.4450**, and **4.9218, 0.4736, 0.4622** is the 20% darker color. If you saturate the color by 10%, you get **15.6267, 0.4646, 0.4693**, and if you desaturate by 10%, it is **16.3085, 0.4548, 0.4673**.

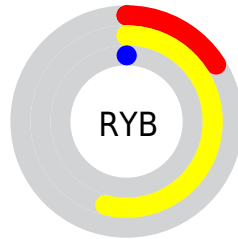
Distribution



Red (54%)

Green (42%)

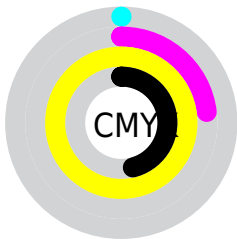
Blue (0%)



Red (16%)

Yellow (54%)

Blue (0%)

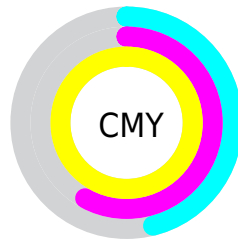


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6264, 0.4646, 0.4693 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 15.6264, 0.4646, 0.4693 by changing the saturation by 10% instead.


 15.6264, 0.4646,
0.4693


 15.6264, 0.4646,
0.4693


227.1270, 0.3837,
0.3970


 9.2602, 0.4818,
0.4830


 35.9484, 0.4363,
0.4451


 4.9113, 0.5022,
0.4978

 50.6729, 0.4250,
0.4350


 2.1953, 0.5068,
0.4932

 68.9524, 0.4154,
0.4263

 0.7174, 0.5182,
0.4818

 91.1711, 0.4072,
0.4188


 0.0000, 0.0000,
0.0000


 117.7136, 0.4000,
0.4122

 148.9641, 0.3939,

0.4065

 185.3071, 0.3885,
0.4015


 15.6264, 0.4646,
0.4693


 15.6264, 0.4646,
0.4693


 15.6267, 0.4646,
0.4693

 16.3085, 0.4548,
0.4673

 17.0323, 0.4432,
0.4621

 17.8094, 0.4291,
0.4526

 18.6436, 0.4130,
0.4393

 19.5383, 0.3958,
0.4232

■ 20.4964, 0.3781,
0.4051

■ 21.5206, 0.3605,
0.3859

■ 22.6135, 0.3436,
0.3665

■ 23.7773, 0.3276,
0.3474

Harmonies

Analogous

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



15.6264, 0.5158, 0.3961



15.6264, 0.4646, 0.4693



15.6264, 0.3788, 0.5237

Triad

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



15.6264, 0.4646, 0.4693



15.6264, 0.1511, 0.2863



15.6264, 0.3148, 0.2098

Complementary

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



15.6264, 0.4646, 0.4693



2.7859, 0.1577, 0.0878

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.



15.6264, 0.2217, 0.1816



15.6264, 0.4646, 0.4693



15.6264, 0.1414, 0.2116

Square

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



15.6264, 0.4646, 0.4693



15.6264, 0.1986, 0.4046



15.6264, 0.1645, 0.1804



15.6264, 0.4256, 0.2606

Rectangle

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



15.6264, 0.4646, 0.4693



15.6264, 0.3142, 0.5245



15.6264, 0.1645, 0.1804



15.6264, 0.2802, 0.1976

Sweetspot

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



15.6272, 0.4646, 0.4693



38.4167, 0.3617, 0.3872



5.4222, 0.5924, 0.3037



8.4647, 0.3680, 0.3943



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



15.6272, 0.4646, 0.4693



27.7357, 0.4658, 0.4684



20.6256, 0.3740, 0.5412



5.6563, 0.3263, 0.3458



14.5759, 0.4644, 0.4694



0.1186, 0.4399, 0.4889

Inverse Universe

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



2.7859, 0.1577, 0.0878



4.7778, 0.1568, 0.0846



2.1910, 0.1683, 0.0701



5.0640, 0.2991, 0.3116



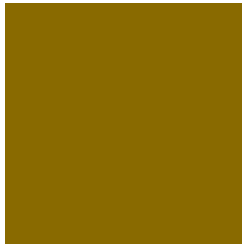
2.6108, 0.1579, 0.0882



0.0362, 0.1775, 0.1589

Previews

White Background



This preview shows how the Yxy color 15.6264, 0.4646, 0.4693 looks on a white background.

Color Contrast Check

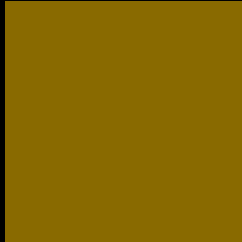
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6264, 0.4646, 0.4693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

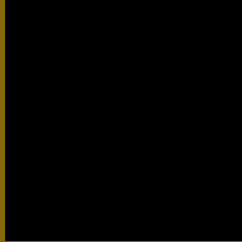
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6264, 0.4646, 0.4693

Background



This preview shows how black text looks on a background with the Yxy color 15.6264, 0.4646, 0.4693.



This preview shows how white text looks on a background with the Yxy color 15.6264, 0.4646, 0.4693.

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

15.6264, 0.4646, 0.4693

Protanopia

15.7442, 0.4374, 0.4857

Deuteranopia

15.6939, 0.4679, 0.4617



Tritanopia

15.7151, 0.3670, 0.3166

Trichromacy



Original Color

15.6264, 0.4646, 0.4693

Protanomaly

15.6132, 0.4472, 0.4801

Deuteranomaly

15.6009, 0.4676, 0.4640

Tritanomaly

15.4834, 0.4199, 0.3921

Monochromacy



Original Color

15.6264, 0.4646, 0.4693

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.9388, 0.3813, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6264, 0.4646, 0.4693 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(137, 106, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 106, 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(137, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 106, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.6264, 0.4646, 0.4693 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(137, 106, 0) }
```

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

```
.border{ border-color:rgb(137, 106, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 106,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6264, 0.4646, 0.4693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 106, 0) }
```

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

```
.background{ background-color: rgb(137,  
106, 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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