

Converting Colors

$Y_{xy}(14.9909, 0.4737, 0.4775)$

Have a look what the booklet for
Yxy(14.9909, 0.4737, 0.4775)
contains.

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Color

Yxy(15.0515, 0.4653, 0.4687)

Conversions

Conversions Part 1

Format	Color
Hex	876800
RGB	135, 104, 0
RGB Percent	53%, 41%, 0%
CMY	0.4706, 0.5921, 0.9997
CMYK	0.00, 0.23, 1.00, 0.47
HSL	46°, 100%, 26%
HSV	46°, 100%, 53%
XYZ	14.9423, 15.0515, 2.1195
YIQ	101.4130, 51.8600, -25.7720

Conversions

Conversions Part 2

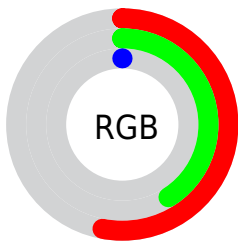
Format	Color
RYB	40, 135, 0
Decimal	8873984
CIELab	45.70, 3.89, 52.59
CIELCh	46, 52.730, 85.773
Yxy	15.0515, 0.4653, 0.4687
Android (android.graphics.Color)	4287064064 (0xFF876800)
YUV	101.4130, -49.9966, 29.4558
Hunter-Lab	38.7963, 0.8555, 23.9183

Details

The Yxy color **15.0515, 0.4653, 0.4687** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.7331, 0.1580, 0.0888**, and the grayscale version is **13.2509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9861, 0.4361, 0.4448**, and **4.6317, 0.4750, 0.4611** is the 20% darker color. If you saturate the color by 10%, you get **15.0489, 0.4653, 0.4687**, and if you desaturate by 10%, it is **15.7186, 0.4553, 0.4667**.

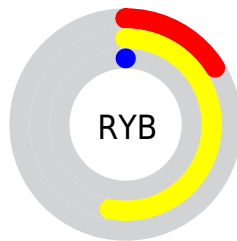
Distribution



Red (53%)

Green (41%)

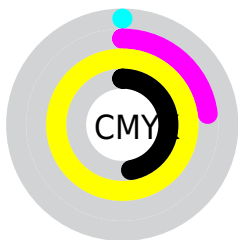
Blue (0%)



Red (16%)

Yellow (53%)

Blue (0%)

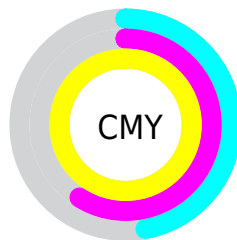


Cyan (0%)

Magenta (23%)

Yellow (100%)

Black (47%)



Cyan (47%)


Magenta (59%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0515, 0.4653, 0.4687 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 15.0515, 0.4653, 0.4687 by changing the saturation by 10% instead.


 15.0515, 0.4653,
0.4687


 15.0515, 0.4653,
0.4687


223.6777, 0.3835,
0.3964


 8.8555, 0.4832,
0.4826


 34.9435, 0.4365,
0.4444


 4.6471, 0.5033,
0.4967

 49.4083, 0.4251,
0.4343


 2.0417, 0.5083,
0.4917

 67.3982, 0.4154,
0.4256

 0.6315, 0.5240,
0.4760


 89.2976, 0.4071,
0.4181


 0.0000, 0.0000,
0.0000


 115.4909, 0.3999,
0.4115


 146.3624, 0.3937,


0.4058

 182.2965, 0.3883,
0.4008


 15.0515, 0.4653,
0.4687


 15.0515, 0.4653,
0.4687

 15.0489, 0.4653,
0.4687

 15.7186, 0.4553,
0.4667

 16.4266, 0.4436,
0.4615

 17.1868, 0.4293,
0.4520

 18.0029, 0.4131,
0.4387

 18.8782, 0.3958,
0.4226

■ 19.8155, 0.3780,
0.4046

■ 20.8174, 0.3604,
0.3855

■ 21.8864, 0.3435,
0.3662

■ 23.0247, 0.3275,
0.3472

Harmonies

Analogous

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



15.0515, 0.5161, 0.3954



15.0515, 0.4653, 0.4687



15.0515, 0.3797, 0.5235

Triad

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



15.0515, 0.4653, 0.4687



15.0515, 0.1513, 0.2872



15.0515, 0.3138, 0.2094

Complementary

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



15.0515, 0.4653, 0.4687



2.7331, 0.1580, 0.0888

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.



15.0515, 0.2210, 0.1814



15.0515, 0.4653, 0.4687



15.0515, 0.1413, 0.2120

Square

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



15.0515, 0.4653, 0.4687



15.0515, 0.1991, 0.4057



15.0515, 0.1641, 0.1804



15.0515, 0.4247, 0.2600

Rectangle

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



15.0515, 0.4653, 0.4687



15.0515, 0.3150, 0.5249



15.0515, 0.1641, 0.1804



15.0515, 0.2793, 0.1973

Sweetspot

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



15.0522, 0.4653, 0.4687



37.1464, 0.3617, 0.3869



5.2542, 0.5920, 0.3035



8.4477, 0.3681, 0.3940



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.



15.0522, 0.4653, 0.4687



26.7005, 0.4665, 0.4678



19.9818, 0.3741, 0.5412



5.2465, 0.3262, 0.3456



13.8976, 0.4652, 0.4689



0.0591, 0.4402, 0.4887

Inverse Universe

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



2.7331, 0.1580, 0.0888



4.6787, 0.1571, 0.0854



2.1267, 0.1685, 0.0702



4.7054, 0.2992, 0.3118



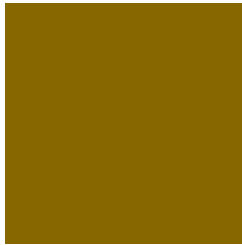
2.5353, 0.1581, 0.0892



0.0183, 0.1778, 0.1601

Previews

White Background



This preview shows how the Yxy color 15.0515, 0.4653, 0.4687 looks on a white background.

Color Contrast Check

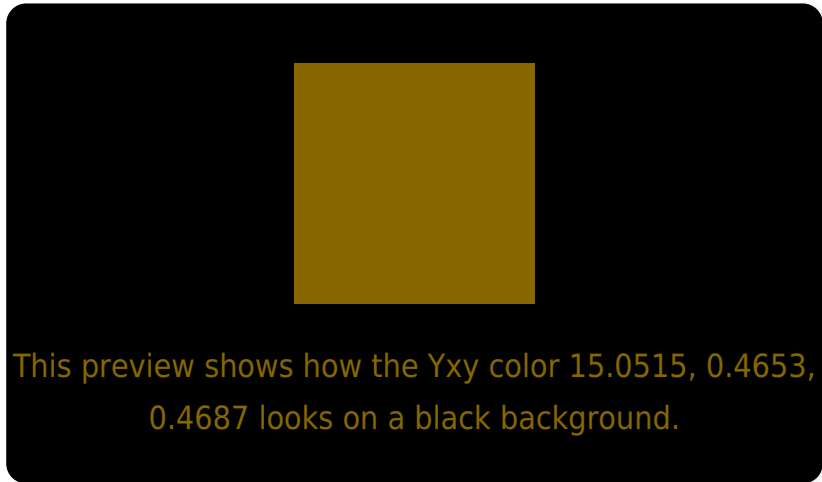
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

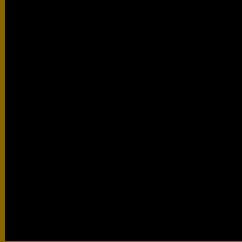
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0515, 0.4653, 0.4687

Background



This preview shows how black text looks on a background with the Yxy color 15.0515, 0.4653, 0.4687.



This preview shows how white text looks on a background with the Yxy color 15.0515, 0.4653, 0.4687.

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

15.0515, 0.4653, 0.4687

Protanopia

15.1636, 0.4377, 0.4853

Deuteranopia

15.0320, 0.4676, 0.4625



Tritanopia

15.1243, 0.3679, 0.3164

Trichromacy



Original Color

15.0515, 0.4653, 0.4687

Protanomaly

15.0362, 0.4477, 0.4797

Deuteranomaly

14.9435, 0.4670, 0.4644

Tritanomaly

14.9110, 0.4203, 0.3912

Monochromacy



Original Color

15.0515, 0.4653, 0.4687

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.3836, 0.3825, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0515, 0.4653, 0.4687 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(135, 104, 0)` looks like.

```
.text, #text, p{  
    color:rgb(135, 104, 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(135, 104, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 104, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.0515, 0.4653, 0.4687 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(135, 104, 0) }
```

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

```
.border{ border-color:rgb(135, 104, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 104, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 104, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 104, 0);  
box-shadow:4px 4px 4px 4px rgb(135, 104,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0515, 0.4653, 0.4687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 104, 0) }
```

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

```
.background{ background-color: rgb(135,  
104, 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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