

Converting Colors

$Y_{xy}(15.2650, 0.4618, 0.4678)$

Have a look what the booklet for
Yxy(15.2650, 0.4618, 0.4678)
contains.

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Color

$Y_{xy}(15.2650, 0.4618, 0.4678)$

Conversions

Conversions Part 1

Format	Color
Hex	876905
RGB	135, 105, 5
RGB Percent	53%, 41%, 2%
CMY	0.4706, 0.5882, 0.9802
CMYK	0.00, 0.22, 0.96, 0.47
HSL	46°, 93%, 27%
HSV	46°, 96%, 53%
XYZ	15.0692, 15.2650, 2.2973
YIQ	102.5700, 49.9800, -24.7400

Conversions

Conversions Part 2

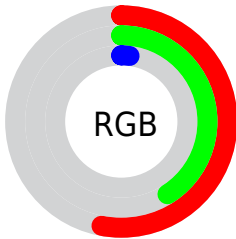
Format	Color
RYB	44, 135, 5
Decimal	8874245
CIELab	46.00, 3.40, 51.62
CIElCh	46, 51.735, 86.236
Yxy	15.2650, 0.4618, 0.4678
Android (android.graphics.Color)	4287064325 (0xFF876905)
YUV	102.5700, -48.1020, 28.4411
Hunter-Lab	39.0704, 0.4730, 23.8632

Details

The Yxy color **15.2650, 0.4618, 0.4678** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.9855, 0.1612, 0.0955**, and the grayscale version is **13.5653, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3536, 0.4332, 0.4433**, and **4.7754, 0.4743, 0.4616** is the 20% darker color. If you saturate the color by 10%, you get **15.0186, 0.4656, 0.4685**, and if you desaturate by 10%, it is **15.9464, 0.4515, 0.4651**.

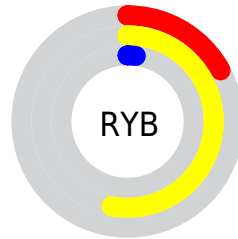
Distribution



Red (53%)

Green (41%)

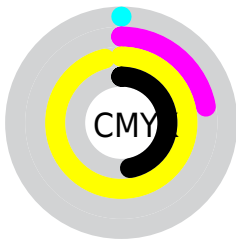
Blue (2%)



Red (17%)

Yellow (53%)

Blue (2%)

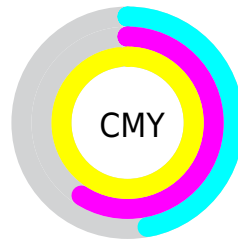


Cyan (0%)

Magenta (22%)

Yellow (96%)

Black (47%)



Cyan (47%)


Magenta (59%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2650, 0.4618, 0.4678 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 15.2650, 0.4618, 0.4678 by changing the saturation by 10% instead.


 15.2650, 0.4618,
0.4678


 15.2650, 0.4618,
0.4678


224.9646, 0.3817,
0.3954

 9.0056, 0.4791,
0.4818


 35.3174, 0.4334,
0.4431

 4.7448, 0.5012,
0.4988

 49.8792, 0.4223,
0.4330

 2.0983, 0.5055,
0.4945

 67.9772, 0.4128,
0.4244

 0.6637, 0.5182,
0.4818

 89.9958, 0.4046,
0.4169


 0.0000, 0.0000,
0.0000

 116.3195, 0.3977,
0.4104


 147.3326, 0.3916,


0.4047


 183.4195, 0.3863,
0.3998

 15.2650, 0.4618,
0.4678

 15.2650, 0.4618,
0.4678


 15.0186, 0.4656,
0.4685

 15.9464, 0.4515,
0.4651

 16.6751, 0.4387,
0.4583

 17.4576, 0.4236,
0.4473

 18.2975, 0.4069,
0.4329

 19.1978, 0.3893,
0.4160

■ 20.1613, 0.3715,
0.3975

■ 21.1906, 0.3541,
0.3783

■ 22.2880, 0.3375,
0.3591

■ 23.4556, 0.3219,
0.3403

Harmonies

Analogous

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



15.2650, 0.5117, 0.3962



15.2650, 0.4618, 0.4678



15.2650, 0.3777, 0.5198

Triad

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



15.2650, 0.4618, 0.4678



15.2650, 0.1539, 0.2870



15.2650, 0.3156, 0.2122

Complementary

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



15.2650, 0.4618, 0.4678



2.9855, 0.1612, 0.0955

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.



15.2650, 0.2240, 0.1842



15.2650, 0.4618, 0.4678



15.2650, 0.1444, 0.2137

Square

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



15.2650, 0.4618, 0.4678



15.2650, 0.2007, 0.4020



15.2650, 0.1673, 0.1830



15.2650, 0.4237, 0.2624

Rectangle

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



15.2650, 0.4618, 0.4678



15.2650, 0.3142, 0.5194



15.2650, 0.1673, 0.1830



15.2650, 0.2817, 0.2001

Sweetspot

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



15.2658, 0.4618, 0.4678



37.3175, 0.3599, 0.3849



5.3831, 0.5800, 0.3016



8.4829, 0.3665, 0.3921



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.



15.2658, 0.4618, 0.4678



26.6515, 0.4668, 0.4676



20.0637, 0.3746, 0.5375



5.2457, 0.3262, 0.3456



13.8728, 0.4654, 0.4687



0.0590, 0.4403, 0.4886

Inverse Universe

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



2.9855, 0.1612, 0.0955



4.6906, 0.1571, 0.0856



2.3039, 0.1725, 0.0751



4.7062, 0.2992, 0.3118



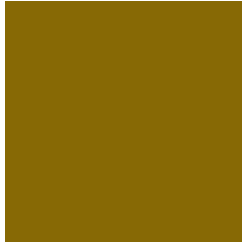
2.5418, 0.1582, 0.0894



0.0184, 0.1779, 0.1605

Previews

White Background



This preview shows how the Yxy color 15.2650, 0.4618, 0.4678 looks on a white background.

Color Contrast Check

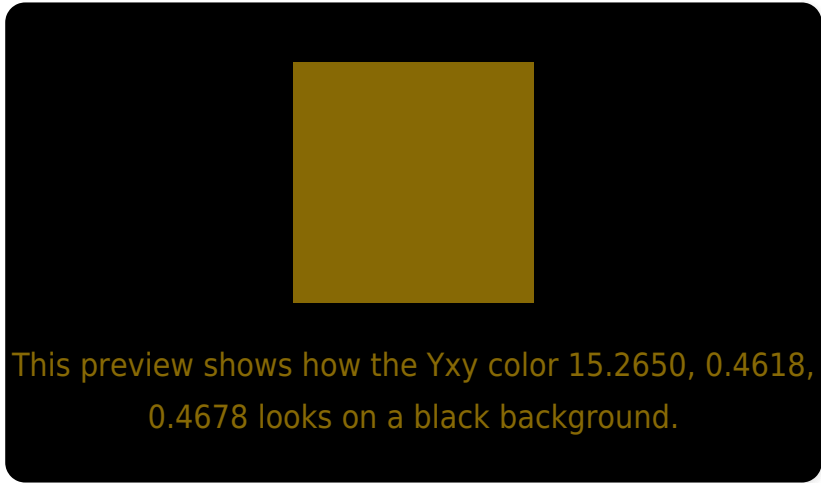
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2650, 0.4618, 0.4678

Background



This preview shows how black text looks on a background with the Yxy color 15.2650, 0.4618, 0.4678.



This preview shows how white text looks on a background with the Yxy color 15.2650, 0.4618, 0.4678.

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

15.2650, 0.4618, 0.4678

Protanopia

15.3803, 0.4358, 0.4861

Deuteranopia

15.3214, 0.4666, 0.4619



Tritanopia

15.3307, 0.3660, 0.3164

Trichromacy



Original Color

15.2650, 0.4618, 0.4678

Protanomaly

15.2525, 0.4450, 0.4796

Deuteranomaly

15.2343, 0.4656, 0.4634

Tritanomaly

15.1403, 0.4151, 0.3877

Monochromacy



Original Color

15.2650, 0.4618, 0.4678

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.9507, 0.3800, 0.4067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2650, 0.4618, 0.4678 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, 105, 5)` looks like.

```
.text, #text, p{  
    color:rgb(135, 105, 5)  
}
```

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, 105, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 105, 5) }
```

Border

The CSS property to change the border of an element to Yxy 15.2650, 0.4618, 0.4678 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, 105, 5) }
```

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

```
.border{ border-color:rgb(135, 105, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 105, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 105, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 105, 5);  
box-shadow:4px 4px 4px 4px rgb(135, 105,  
5) }
```


Background

The CSS property to change the background color of an element to Yxy 15.2650, 0.4618, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 105, 5) }
```

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

```
.background{ background-color: rgb(135,  
105, 5) }
```

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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