

Converting Colors

$Y_{xy}(15.1840, 0.4297, 0.4638)$

Have a look what the booklet for
Yxy(15.1840, 0.4297, 0.4638)
contains.

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Color

$\text{Yxy}(15.1840, 0.4297, 0.4638)$

Conversions

Conversions Part 1

Format	Color
Hex	7D6C1F
RGB	125, 108, 31
RGB Percent	49%, 42%, 12%
CMY	0.5098, 0.5765, 0.8784
CMYK	0.00, 0.14, 0.75, 0.51
HSL	49°, 60%, 31%
HSV	49°, 75%, 49%
XYZ	14.0676, 15.1840, 3.4866
YIQ	104.3050, 34.8490, -20.3430

Conversions

Conversions Part 2

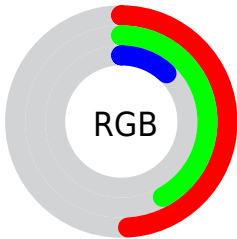
Format	Color
RYB	52, 125, 31
Decimal	8219679
CIELab	45.89, -2.26, 43.19
CIELCh	46, 43.247, 93.000
Yxy	15.1840, 0.4297, 0.4638
Android (android.graphics.Color)	4286409759 (0xFF7D6C1F)
YUV	104.3050, -36.1394, 18.1495
Hunter-Lab	38.9667, -3.7501, 21.9716

Details

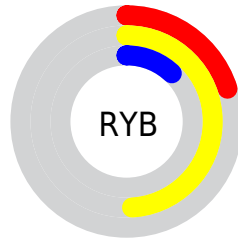
The Yxy color **15.1840, 0.4297, 0.4638** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.8874, 0.1831, 0.1337**, and the grayscale version is **14.0222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0937, 0.4056, 0.4352**, and **4.7540, 0.4481, 0.4824** is the 20% darker color. If you saturate the color by 10%, you get **14.6603, 0.4410, 0.4720**, and if you desaturate by 10%, it is **15.7471, 0.4161, 0.4517**.

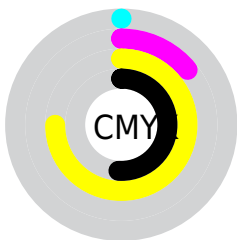
Distribution



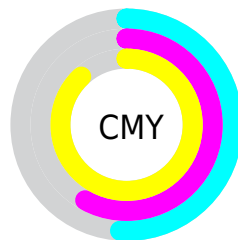
- Red (49%)
- Green (42%)
- Blue (12%)



- Red (20%)
- Yellow (49%)
- Blue (12%)



- Cyan (0%)
- Magenta (14%)
- Yellow (75%)
- Black (51%)





- Cyan (51%)
- Magenta (58%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1840, 0.4297, 0.4638 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 15.1840, 0.4297, 0.4638 by changing the saturation by 10% instead.

 15.1840, 0.4297,
0.4638

 15.1840, 0.4297,
0.4638


224.4772, 0.3653,
0.3884


 8.9486, 0.4448,
0.4825


 35.1756, 0.4060,
0.4355


 4.7077, 0.4726,
0.5164

 49.7007, 0.3970,
0.4249

 2.0768, 0.4749,
0.5251

 67.7578, 0.3895,
0.4162

 0.6515, 0.4640,
0.5360


 89.7313, 0.3831,
0.4088


 0.0000, 0.0000,
0.0000


 116.0056, 0.3777,
0.4025


 146.9651, 0.3730,


0.3971


 182.9942, 0.3689,
0.3925


 15.1840, 0.4297,
0.4638


 15.1840, 0.4297,
0.4638


 14.6603, 0.4410,
0.4720

 15.7471, 0.4161,
0.4517


 14.1697, 0.4499,
0.4761

 16.3501, 0.4008,
0.4362

 13.9402, 0.4540,
0.4777

 16.9962, 0.3845,
0.4183

 17.6877, 0.3678,
0.3989

 18.4263, 0.3513,
0.3788

■ 19.2141, 0.3353,
0.3586

■ 20.0527, 0.3202,
0.3389

■ 20.9438, 0.3061,
0.3201

■ 21.8888, 0.2931,
0.3023

Harmonies

Analogous

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



15.1840, 0.4781, 0.4065



15.1840, 0.4297, 0.4638



15.1840, 0.3542, 0.4918

Triad

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



15.1840, 0.4297, 0.4638



15.1840, 0.1706, 0.2782



15.1840, 0.3367, 0.2363

Complementary

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



15.1840, 0.4297, 0.4638



3.8874, 0.1831, 0.1337

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.



15.1840, 0.2529, 0.2064



15.1840, 0.4297, 0.4638



15.1840, 0.1679, 0.2221

Square

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



15.1840, 0.4297, 0.4638



15.1840, 0.2058, 0.3678



15.1840, 0.1952, 0.2003



15.1840, 0.4245, 0.2847

Rectangle

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



15.1840, 0.4297, 0.4638



15.1840, 0.2989, 0.4767



15.1840, 0.1952, 0.2003



15.1840, 0.3067, 0.2239

Sweetspot

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



15.1847, 0.4297, 0.4638



33.2205, 0.3486, 0.3755



5.5563, 0.5145, 0.3013



7.4626, 0.3536, 0.3816



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.1847, 0.4297, 0.4638



25.6336, 0.4474, 0.4752



17.2123, 0.3678, 0.5137



4.8913, 0.3260, 0.3465



14.5399, 0.4541, 0.4777



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.8874, 0.1831, 0.1337



4.4840, 0.1626, 0.0946



3.4466, 0.2083, 0.1176



4.3279, 0.2993, 0.3108



2.1606, 0.1558, 0.0807



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.1840, 0.4297, 0.4638 looks on a white background.

Color Contrast Check

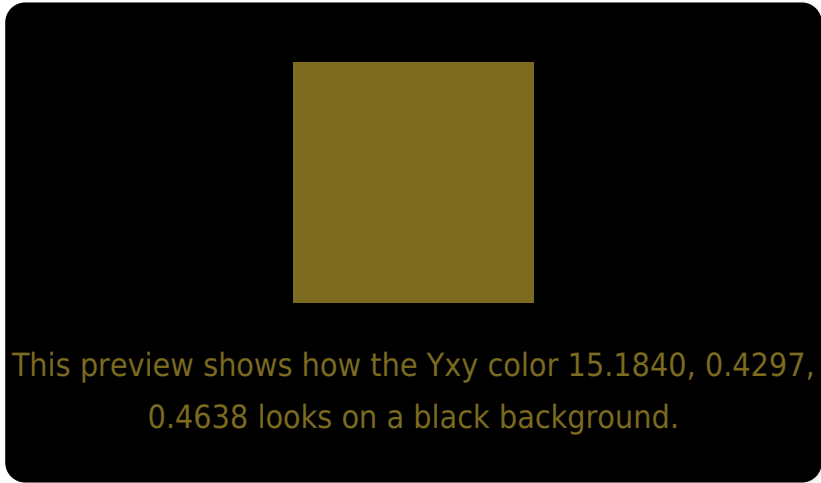
Large Text (above 18pt) WCAG AA ✓ Pass

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

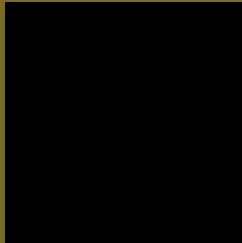
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1840, 0.4297, 0.4638

Background



This preview shows how black text looks on a background with the Yxy color 15.1840, 0.4297, 0.4638.



This preview shows how white text looks on a background with the Yxy color 15.1840, 0.4297, 0.4638.

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

15.1840, 0.4297, 0.4638

Protanopia

15.1738, 0.4239, 0.4681

Deuteranopia

15.0445, 0.4512, 0.4443



Tritanopia

15.2368, 0.3456, 0.3139

Trichromacy



Original Color

15.1840, 0.4297, 0.4638

Protanomaly

15.2472, 0.4254, 0.4671

Deuteranomaly

15.1130, 0.4434, 0.4519

Tritanomaly

15.1618, 0.3820, 0.3739

Monochromacy



Original Color

15.1840, 0.4297, 0.4638

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.0837, 0.3611, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1840, 0.4297, 0.4638 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(125, 108, 31)` looks like.

```
.text, #text, p{  
    color:rgb(125, 108, 31)  
}
```

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(125, 108, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 108, 31) }
```

Border

The CSS property to change the border of an element to Yxy 15.1840, 0.4297, 0.4638 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(125, 108, 31) }
```

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

```
.border{ border-color:rgb(125, 108, 31) }
```

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

Here you see how a box with a 4 pixel rgb(125, 108, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 108, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 108, 31);  
box-shadow:4px 4px 4px 4px rgb(125, 108,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1840, 0.4297, 0.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 108, 31) }
```

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

```
.background{ background-color: rgb(125,  
108, 31) }
```

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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