

Converting Colors

$Y_{xy}(15.5782, 0.4421, 0.4558)$

Have a look what the booklet for
Yxy(15.5782, 0.4421, 0.4558)
contains.

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Color

Yxy(15.6009, 0.4427, 0.4550)

Conversions

Conversions Part 1

Format	Color
Hex	856B1F
RGB	133, 107, 31
RGB Percent	52%, 42%, 12%
CMY	0.4784, 0.5804, 0.8784
CMYK	0.00, 0.20, 0.77, 0.48
HSL	45°, 62%, 32%
HSV	45°, 77%, 52%
XYZ	15.1792, 15.6009, 3.5076
YIQ	106.1100, 39.8920, -18.1240

Conversions

Conversions Part 2

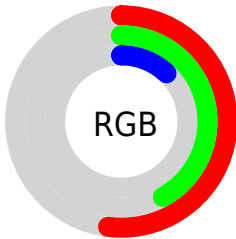
Format	Color
RYB	66, 133, 31
Decimal	8743711
CIELab	46.45, 2.11, 44.03
CIELCh	46, 44.079, 87.260
Yxy	15.6009, 0.4427, 0.4550
Android (android.graphics.Color)	4286933791 (0xFF856B1F)
YUV	106.1100, -37.0292, 23.5825
Hunter-Lab	39.4980, -0.5235, 22.3833

Details

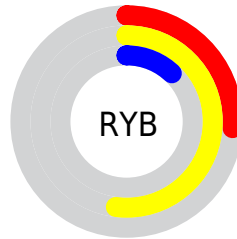
The Yxy color **15.6009, 0.4427, 0.4550** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.9127, 0.1843, 0.1445**, and the grayscale version is **14.5409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8666, 0.4158, 0.4298**, and **4.9372, 0.4665, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **14.8520, 0.4563, 0.4613**, and if you desaturate by 10%, it is **16.4080, 0.4268, 0.4445**.

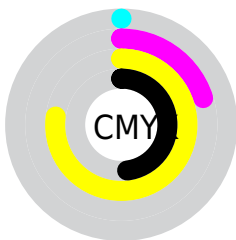
Distribution



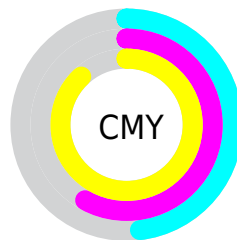
- Red (52%)
- Green (42%)
- Blue (12%)



- Red (26%)
- Yellow (52%)
- Blue (12%)



- Cyan (0%)
- Magenta (20%)
- Yellow (77%)
- Black (48%)




- Cyan (48%)
- Magenta (58%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.6009, 0.4427, 0.4550 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 15.6009, 0.4427, 0.4550 by changing the saturation by 10% instead.


 15.6009, 0.4427,
0.4550


 15.6009, 0.4427,
0.4550


226.9751, 0.3708,
0.3864


 9.2422, 0.4600,
0.4707


 35.9039, 0.4160,
0.4300


 4.8995, 0.4904,
0.4985

 50.6171, 0.4060,
0.4204


 2.1884, 0.4985,
0.5015

 68.8838, 0.3976,
0.4124

 0.7137, 0.5056,
0.4944


 91.0885, 0.3905,
0.4056

 0.0000, 0.0000,
0.0000

 117.6156, 0.3845,
0.3997


 148.8494, 0.3793,


0.3947


 185.1745, 0.3748,
0.3903


 15.6009, 0.4427,
0.4550


 15.6009, 0.4427,
0.4550


 14.8520, 0.4563,
0.4613


 16.4080, 0.4268,
0.4445


 14.1530, 0.4675,
0.4635

 17.2746, 0.4093,
0.4306

 13.9289, 0.4712,
0.4640

 18.2044, 0.3912,
0.4142

 19.2003, 0.3729,
0.3963

 20.2647, 0.3551,
0.3776

■ 21.4000, 0.3383,
0.3589

■ 22.6085, 0.3225,
0.3407

■ 23.8922, 0.3081,
0.3234

■ 25.2531, 0.2949,
0.3070

Harmonies

Analogous

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



15.6009, 0.4840, 0.3948



15.6009, 0.4427, 0.4550



15.6009, 0.3701, 0.4920

Triad

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



15.6009, 0.4427, 0.4550



15.6009, 0.1735, 0.2927



15.6009, 0.3193, 0.2281

Complementary

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



15.6009, 0.4427, 0.4550



4.9127, 0.1843, 0.1445

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.



15.6009, 0.2389, 0.2023



15.6009, 0.4427, 0.4550



15.6009, 0.1649, 0.2291

Square

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



15.6009, 0.4427, 0.4550



15.6009, 0.2154, 0.3872



15.6009, 0.1866, 0.2011



15.6009, 0.4101, 0.2739

Rectangle

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



15.6009, 0.4427, 0.4550



15.6009, 0.3146, 0.4861



15.6009, 0.1866, 0.2011



15.6009, 0.2900, 0.2170

Sweetspot

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



15.6017, 0.4427, 0.4550



36.9141, 0.3497, 0.3717



6.2751, 0.4998, 0.2869



8.1766, 0.3551, 0.3775



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



15.6017, 0.4427, 0.4550



25.6604, 0.4647, 0.4630



20.1413, 0.3789, 0.5098



5.2274, 0.3263, 0.3451



13.2786, 0.4711, 0.4641



0.0577, 0.4430, 0.4865

Inverse Universe

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



4.9127, 0.1843, 0.1445



5.8148, 0.1647, 0.1051



3.4806, 0.1947, 0.1077



4.7234, 0.2992, 0.3124



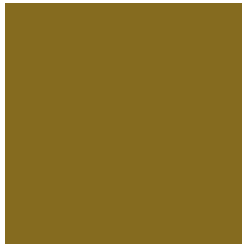
2.7097, 0.1596, 0.0944



0.0197, 0.1803, 0.1689

Previews

White Background



This preview shows how the Yxy color 15.6009, 0.4427, 0.4550 looks on a white background.

Color Contrast Check

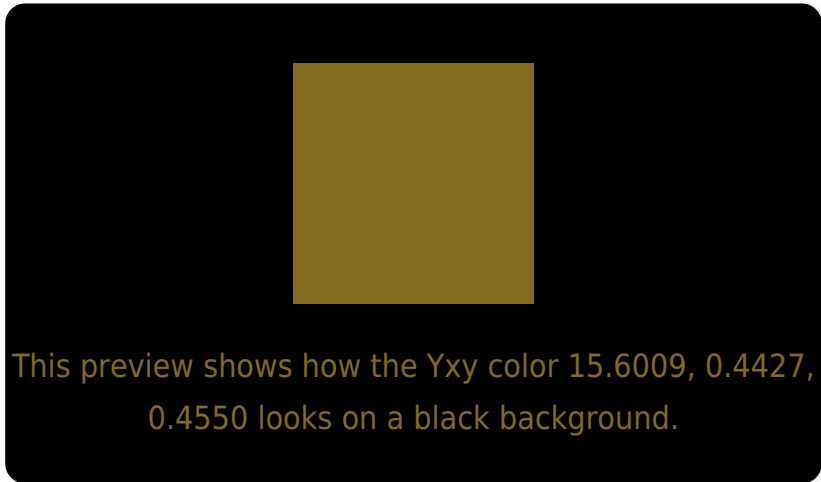
Large Text (above 18pt) WCAG AA ✓ Pass

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

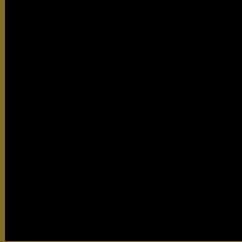
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6009, 0.4427, 0.4550

Background



This preview shows how black text looks on a background with the Yxy color 15.6009, 0.4427, 0.4550.



This preview shows how white text looks on a background with the Yxy color 15.6009, 0.4427, 0.4550.

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

15.6009, 0.4427, 0.4550

Protanopia

15.7582, 0.4234, 0.4680

Deuteranopia

15.6107, 0.4519, 0.4466



Tritanopia

15.6003, 0.3577, 0.3145

Trichromacy



Original Color

15.6009, 0.4427, 0.4550

Protanomaly

15.7682, 0.4291, 0.4638

Deuteranomaly

15.6466, 0.4476, 0.4499

Tritanomaly

15.5139, 0.3947, 0.3722

Monochromacy



Original Color

15.6009, 0.4427, 0.4550

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5856, 0.3638, 0.3855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6009, 0.4427, 0.4550 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(133, 107, 31)` looks like.

```
.text, #text, p{  
    color:rgb(133, 107, 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(133, 107, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 107, 31) }
```

Border

The CSS property to change the border of an element to Yxy 15.6009, 0.4427, 0.4550 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(133, 107, 31) }
```

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

```
.border{ border-color:rgb(133, 107, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 107, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 107, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 107, 31);  
box-shadow:4px 4px 4px 4px rgb(133, 107,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6009, 0.4427, 0.4550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 107, 31) }
```

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

```
.background{ background-color: rgb(133,  
107, 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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