

Converting Colors

$Y_{xy}(23.6707, 0.4531, 0.4440)$

Have a look what the booklet for
Yxy(23.6707, 0.4531, 0.4440)
contains.

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Color

Yxy(23.6707, 0.4531, 0.4440)

Conversions

Conversions Part 1

Format	Color
Hex	A87F2A
RGB	168, 127, 42
RGB Percent	66%, 50%, 16%
CMY	0.3412, 0.5019, 0.8353
CMYK	0.00, 0.24, 0.75, 0.34
HSL	40°, 60%, 41%
HSV	40°, 75%, 66%
XYZ	24.1558, 23.6707, 5.4858
YIQ	129.5690, 51.7210, -17.7430

Conversions

Conversions Part 2

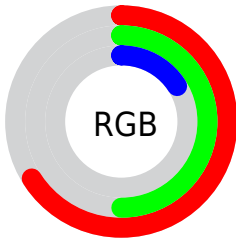
Format	Color
RYB	103, 168, 42
Decimal	11042602
CIELab	55.76, 7.42, 49.85
CIELCh	56, 50.399, 81.538
Yxy	23.6707, 0.4531, 0.4440
Android (android.graphics.Color)	4289232682 (0xFFA87F2A)
YUV	129.5690, -43.1715, 33.7040
Hunter-Lab	48.6525, 3.4828, 27.3715

Details

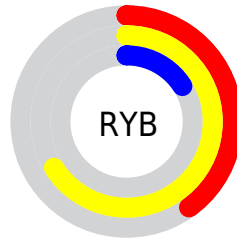
The Yxy color **23.6707, 0.4531, 0.4440** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.5052, 0.1887, 0.1613**, and the grayscale version is **22.3051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7637, 0.4269, 0.4251**, and **8.8935, 0.4819, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **22.2018, 0.4700, 0.4492**, and if you desaturate by 10%, it is **25.2689, 0.4340, 0.4344**.

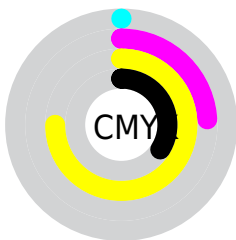
Distribution



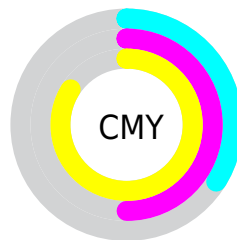
- Red (66%)
- Green (50%)
- Blue (16%)



- Red (40%)
- Yellow (66%)
- Blue (16%)



- Cyan (0%)
- Magenta (24%)
- Yellow (75%)
- Black (34%)





- Cyan (34%)
- Magenta (50%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6707, 0.4531, 0.4440 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 23.6707, 0.4531, 0.4440 by changing the saturation by 10% instead.


 23.6707, 0.4531,
0.4440


 23.6707, 0.4531,
0.4440


271.1514, 0.3797,
0.3870


 15.0895, 0.4700,
0.4554


 49.4923, 0.4268,
0.4247

 8.8822, 0.4896,
0.4670


 67.5015, 0.4166,
0.4169


 4.6645, 0.5176,
0.4824

 89.4222, 0.4080,
0.4101

 2.0518, 0.5268,
0.4732

 115.6387, 0.4007,
0.4042

 0.6373, 0.5525,
0.4475

 146.5355, 0.3943,
0.3990

 0.0000, 0.0000,
0.0000

 182.4970, 0.3888,

0.3945

223.9075, 0.3839,
0.3905

■ 23.6707, 0.4531,
0.4440

■ 23.6707, 0.4531,
0.4440

■ 22.2018, 0.4700,
0.4492

■ 25.2689, 0.4340,
0.4344

■ 20.8507, 0.4840,
0.4495

■ 26.9999, 0.4137,
0.4212

■ 20.2110, 0.4905,
0.4487

■ 28.8706, 0.3932,
0.4057

■ 30.8867, 0.3731,
0.3887

■ 33.0531, 0.3541,
0.3712

■ 35.3746, 0.3364,
0.3539

■ 37.8557, 0.3202,
0.3371

■ 40.5004, 0.3056,
0.3212

■ 43.3130, 0.2925,
0.3063

Harmonies

Analogous

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



23.6707, 0.4858, 0.3826



23.6707, 0.4531, 0.4440



23.6707, 0.3852, 0.4876

Triad

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



23.6707, 0.4531, 0.4440



23.6707, 0.1795, 0.3092



23.6707, 0.3024, 0.2219

Complementary

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



23.6707, 0.4531, 0.4440



9.5052, 0.1887, 0.1613

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.



23.6707, 0.2269, 0.2006



23.6707, 0.4531, 0.4440



23.6707, 0.1647, 0.2388

Square

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



23.6707, 0.4531, 0.4440



23.6707, 0.2275, 0.4056



23.6707, 0.1807, 0.2045



23.6707, 0.3932, 0.2642

Rectangle

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



23.6707, 0.4531, 0.4440



23.6707, 0.3306, 0.4902



23.6707, 0.1807, 0.2045



23.6707, 0.2744, 0.2122

Sweetspot

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



23.6719, 0.4531, 0.4440



60.6254, 0.3512, 0.3685



10.6208, 0.4806, 0.2748



12.9057, 0.3576, 0.3746



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



23.6719, 0.4531, 0.4440



38.6346, 0.4797, 0.4500



34.3757, 0.3875, 0.5036



8.3562, 0.3270, 0.3442



15.3585, 0.4896, 0.4494



0.4607, 0.4614, 0.4718

Inverse Universe

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



9.5052, 0.1887, 0.1613



11.9792, 0.1698, 0.1233



5.5397, 0.1874, 0.1044



7.6843, 0.2986, 0.3133



4.2588, 0.1636, 0.1089



0.1960, 0.1826, 0.1773

Previews

White Background



This preview shows how the Yxy color 23.6707, 0.4531, 0.4440 looks on a white 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

Black Background



This preview shows how the Yxy color 23.6707, 0.4531, 0.4440 looks on a black 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

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

Yxy 23.6707, 0.4531, 0.4440

Background



This preview shows how black text looks on a background with the Yxy color 23.6707, 0.4531, 0.4440.



This preview shows how white text looks on a background with the Yxy color 23.6707, 0.4531, 0.4440.

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

23.6707, 0.4531, 0.4440

Protanopia

23.7161, 0.4219, 0.4641

Deuteranopia

23.6707, 0.4531, 0.4440



Tritanopia

23.7508, 0.3715, 0.3157

Trichromacy



Original Color

23.6707, 0.4531, 0.4440

Protanomaly

23.5751, 0.4345, 0.4561

Deuteranomaly

23.6707, 0.4531, 0.4440

Tritanomaly

23.5528, 0.4073, 0.3671

Monochromacy



Original Color

23.6707, 0.4531, 0.4440

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.5116, 0.3664, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6707, 0.4531, 0.4440 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(168, 127, 42)` looks like.

```
.text, #text, p{  
    color:rgb(168, 127, 42)  
}
```

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(168, 127, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 127, 42) }
```

Border

The CSS property to change the border of an element to Yxy 23.6707, 0.4531, 0.4440 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(168, 127, 42) }
```

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

```
.border{ border-color:rgb(168, 127, 42) }
```

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

Here you see how a box with a 4 pixel rgb(168, 127, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 127, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 127, 42);  
box-shadow:4px 4px 4px 4px rgb(168, 127,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6707, 0.4531, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 127, 42) }
```

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

```
.background{ background-color: rgb(168,  
127, 42) }
```

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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