

Converting Colors

$Y_{xy}(15.0313, 0.4560, 0.4602)$

Have a look what the booklet for
Yxy(15.0313, 0.4560, 0.4602)
contains.

Yxy(15.0160, 0.4564, 0.4600)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.0160, 0.4564, 0.4600)

Conversions

Conversions Part 1

Format	Color
Hex	866813
RGB	134, 104, 19
RGB Percent	53%, 41%, 7%
CMY	0.4745, 0.5921, 0.9255
CMYK	0.00, 0.22, 0.86, 0.47
HSL	44°, 75%, 30%
HSV	44°, 86%, 53%
XYZ	14.8985, 15.0160, 2.7290
YIQ	103.2800, 45.1650, -20.0750

Conversions

Conversions Part 2

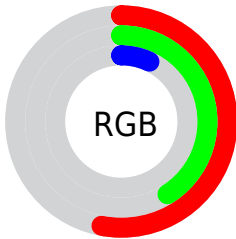
Format	Color
RYB	60, 134, 19
Decimal	8808467
CIELab	45.66, 3.83, 47.77
CIELCh	46, 47.927, 85.415
Yxy	15.0160, 0.4564, 0.4600
Android (android.graphics.Color)	4286998547 (0xFF866813)
YUV	103.2800, -41.5500, 26.9414
Hunter-Lab	38.7505, 0.8149, 22.9499

Details

The Yxy color **15.0160, 0.4564, 0.4600** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.0547, 0.1730, 0.1238**, and the grayscale version is **13.7453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9740, 0.4281, 0.4360**, and **4.6317, 0.4750, 0.4611** is the 20% darker color. If you saturate the color by 10%, you get **14.2930, 0.4679, 0.4623**, and if you desaturate by 10%, it is **15.7943, 0.4423, 0.4534**.

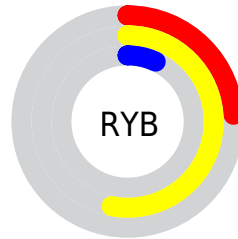
Distribution



Red (53%)

Green (41%)

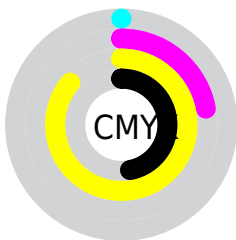
Blue (7%)



Red (24%)

Yellow (53%)

Blue (7%)

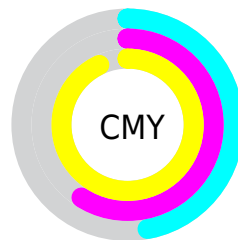


Cyan (0%)

Magenta (22%)

Yellow (86%)

Black (47%)



Cyan (47%)

Magenta (59%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.0160, 0.4564, 0.4600 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 15.0160, 0.4564, 0.4600 by changing the saturation by 10% instead.

15.0160, 0.4564,
0.4600

15.0160, 0.4564,
0.4600

223.4630, 0.3776,
0.3904

8.8306, 0.4744,
0.4742

34.8812, 0.4277,
0.4356

4.6309, 0.5031,
0.4969

49.3299, 0.4167,
0.4259

2.0323, 0.5081,
0.4919

67.3018, 0.4074,
0.4176

0.6262, 0.5238,
0.4762

89.1812, 0.3996,
0.4105


0.0000, 0.0000,
0.0000


115.3527, 0.3928,
0.4044


146.2006, 0.3871,

0.3991

 182.1092, 0.3820,
0.3944


 15.0160, 0.4564,
0.4600


 15.0160, 0.4564,
0.4600

 14.2930, 0.4679,
0.4623

 15.7943, 0.4423,
0.4534

 14.0014, 0.4727,
0.4629

 16.6311, 0.4260,
0.4427

 17.5307, 0.4083,
0.4287

 18.4962, 0.3899,
0.4122

 19.5304, 0.3715,
0.3942

■ 20.6359, 0.3537,
0.3757

■ 21.8151, 0.3369,
0.3571

■ 23.0702, 0.3212,
0.3391

■ 24.4035, 0.3069,
0.3219

Harmonies

Analogous

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



15.0160, 0.5005, 0.3931



15.0160, 0.4564, 0.4600



15.0160, 0.3783, 0.5068

Triad

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



15.0160, 0.4564, 0.4600



15.0160, 0.1636, 0.2934



15.0160, 0.3132, 0.2175

Complementary

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



15.0160, 0.4564, 0.4600



4.0547, 0.1730, 0.1238

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.



15.0160, 0.2276, 0.1915



15.0160, 0.4564, 0.4600



15.0160, 0.1530, 0.2225

Square

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



15.0160, 0.4564, 0.4600



15.0160, 0.2098, 0.4000



15.0160, 0.1741, 0.1914



15.0160, 0.4138, 0.2651

Rectangle

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



15.0160, 0.4564, 0.4600



15.0160, 0.3183, 0.5058



15.0160, 0.1741, 0.1914



15.0160, 0.2816, 0.2062

Sweetspot

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



15.0167, 0.4564, 0.4600



36.2122, 0.3551, 0.3771



5.7608, 0.5336, 0.2891



8.0285, 0.3602, 0.3825



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.



15.0167, 0.4564, 0.4600



24.4166, 0.4741, 0.4618



20.2308, 0.3805, 0.5228



5.2230, 0.3263, 0.3450



13.1409, 0.4725, 0.4630



0.0574, 0.4436, 0.4860

Inverse Universe

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



4.0547, 0.1730, 0.1238



4.9259, 0.1588, 0.0917



2.7636, 0.1812, 0.0886



4.7275, 0.2992, 0.3125



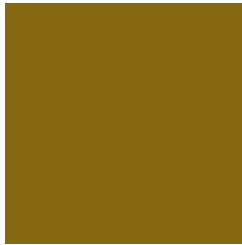
2.7520, 0.1599, 0.0956



0.0200, 0.1808, 0.1709

Previews

White Background



This preview shows how the Yxy color 15.0160, 0.4564, 0.4600 looks on a white background.

Color Contrast Check

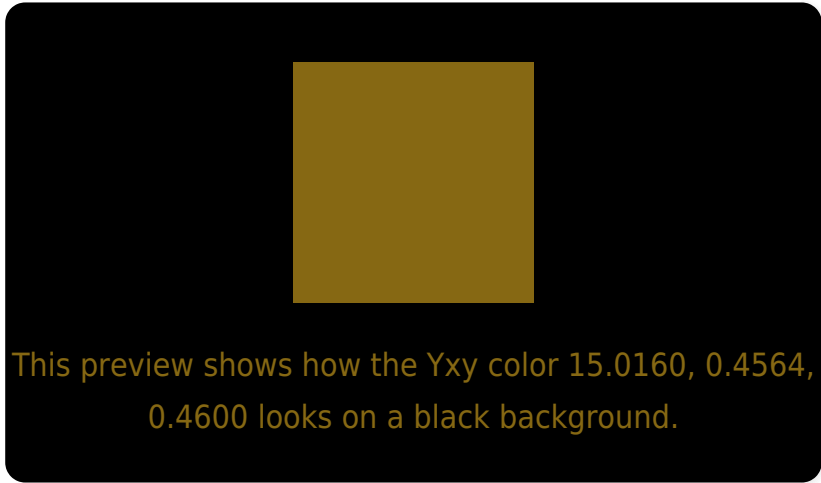
Large Text (above 18pt) WCAG AA ✓ Pass

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

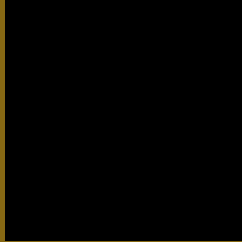
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0160, 0.4564, 0.4600

Background



This preview shows how black text looks on a background with the Yxy color 15.0160, 0.4564, 0.4600.



This preview shows how white text looks on a background with the Yxy color 15.0160, 0.4564, 0.4600.

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

15.0160, 0.4564, 0.4600

Protanopia

15.1254, 0.4309, 0.4785

Deuteranopia

15.0694, 0.4617, 0.4549



Tritanopia

15.0378, 0.3664, 0.3163

Trichromacy



Original Color

15.0160, 0.4564, 0.4600

Protanomaly

15.0015, 0.4397, 0.4716

Deuteranomaly

14.9852, 0.4603, 0.4559

Tritanomaly

14.9137, 0.4088, 0.3792

Monochromacy



Original Color

15.0160, 0.4564, 0.4600

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.7458, 0.3723, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0160, 0.4564, 0.4600 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(134, 104, 19)` looks like.

```
.text, #text, p{  
    color:rgb(134, 104, 19)  
}
```

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(134, 104, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 104, 19) }
```

Border

The CSS property to change the border of an element to Yxy 15.0160, 0.4564, 0.4600 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(134, 104, 19) }
```

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

```
.border{ border-color:rgb(134, 104, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 104, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 104, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 104, 19);  
box-shadow:4px 4px 4px 4px rgb(134, 104,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0160, 0.4564, 0.4600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 104, 19) }
```

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

```
.background{ background-color: rgb(134,  
104, 19) }
```

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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