

Converting Colors

$Y_{xy}(15.0553, 0.4554, 0.4503)$

Have a look what the booklet for
Yxy(15.0553, 0.4554, 0.4503)
contains.

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Color

Yxy(15.0139, 0.4558, 0.4502)

Conversions

Conversions Part 1

Format	Color
Hex	88671B
RGB	136, 103, 27
RGB Percent	53%, 40%, 11%
CMY	0.4667, 0.5961, 0.8940
CMYK	0.00, 0.24, 0.80, 0.47
HSL	42°, 67%, 32%
HSV	42°, 80%, 53%
XYZ	15.2007, 15.0139, 3.1348
YIQ	104.2030, 44.0640, -16.6400

Conversions

Conversions Part 2

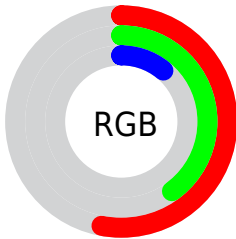
Format	Color
R_{YB}	74, 136, 27
Decimal	8939291
CIE Lab	45.65, 5.65, 45.00
CIE LCh	46, 45.354, 82.838
Yxy	15.0139, 0.4558, 0.4502
Android (android.graphics.Color)	4287129371 (0xFF88671B)
YUV	104.2030, -38.0611, 27.8860
Hunter-Lab	38.7478, 2.2165, 22.3267

Details

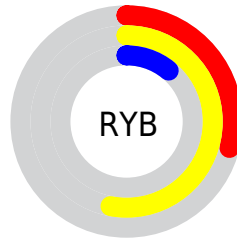
The Yxy color **15.0139, 0.4558, 0.4502** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.2430, 0.1823, 0.1468**, and the grayscale version is **13.9968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9845, 0.4265, 0.4276**, and **4.6222, 0.4821, 0.4554** is the 20% darker color. If you saturate the color by 10%, you get **14.1666, 0.4705, 0.4540**, and if you desaturate by 10%, it is **15.9321, 0.4387, 0.4419**.

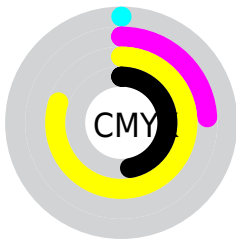
Distribution



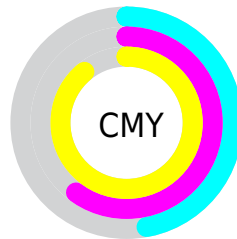
- Red (53%)
- Green (40%)
- Blue (11%)



- Red (29%)
- Yellow (53%)
- Blue (11%)



- Cyan (0%)
- Magenta (24%)
- Yellow (80%)
- Black (47%)





- Cyan (47%)
- Magenta (60%)
- Yellow (89%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0139, 0.4558, 0.4502 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 15.0139, 0.4558, 0.4502 by changing the saturation by 10% instead.


 15.0139, 0.4558,
0.4502


 15.0139, 0.4558,
0.4502


223.4503, 0.3761,
0.3856


 8.8291, 0.4752,
0.4637


 34.8776, 0.4261,
0.4274


 4.6299, 0.5106,
0.4894

 49.3253, 0.4150,
0.4184

 2.0318, 0.5177,
0.4823

 67.2960, 0.4057,
0.4107

 0.6258, 0.5394,
0.4606

 89.1743, 0.3979,
0.4042

 0.0000, 0.0000,
0.0000

 115.3445, 0.3912,
0.3985

 146.1910, 0.3855,

0.3937

182.0981, 0.3805,
0.3894

15.0139, 0.4558,
0.4502

15.0139, 0.4558,
0.4502

14.1666, 0.4705,
0.4540

15.9321, 0.4387,
0.4419

13.3870, 0.4832,
0.4546

16.9232, 0.4200,
0.4299

17.9915, 0.4005,
0.4150

19.1403, 0.3810,
0.3984

20.3725, 0.3622,
0.3809

■ 21.6910, 0.3444,
0.3632

■ 23.0982, 0.3280,
0.3458

■ 24.5967, 0.3129,
0.3292

■ 26.1888, 0.2992,
0.3135

Harmonies

Analogous

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



15.0139, 0.4928, 0.3863



15.0139, 0.4558, 0.4502



15.0139, 0.3836, 0.4958

Triad

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



15.0139, 0.4558, 0.4502



15.0139, 0.1727, 0.3037



15.0139, 0.3056, 0.2193

Complementary

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



15.0139, 0.4558, 0.4502



5.2430, 0.1823, 0.1468

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.



15.0139, 0.2261, 0.1962



15.0139, 0.4558, 0.4502



15.0139, 0.1593, 0.2322

Square

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



15.0139, 0.4558, 0.4502



15.0139, 0.2207, 0.4050



15.0139, 0.1771, 0.1988



15.0139, 0.4008, 0.2637

Rectangle

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



15.0139, 0.4558, 0.4502



15.0139, 0.3267, 0.4976



15.0139, 0.1771, 0.1988



15.0139, 0.2761, 0.2090

Sweetspot

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



15.0146, 0.4558, 0.4502



37.1918, 0.3521, 0.3709



6.3610, 0.4983, 0.2780



8.4460, 0.3577, 0.3765



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.



15.0146, 0.4558, 0.4502



23.8617, 0.4801, 0.4538



21.3991, 0.3866, 0.5105



5.5937, 0.3265, 0.3442



12.6888, 0.4830, 0.4547



0.1101, 0.4485, 0.4821

Inverse Universe

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



5.2430, 0.1823, 0.1468



6.2210, 0.1644, 0.1084



3.1665, 0.1834, 0.0967



5.1231, 0.2991, 0.3133



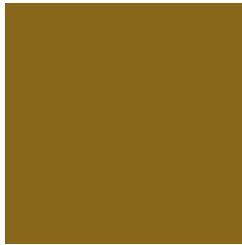
3.2093, 0.1625, 0.1049



0.0447, 0.1846, 0.1846

Previews

White Background



This preview shows how the Yxy color 15.0139, 0.4558, 0.4502 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



This preview shows how the Yxy color 15.0139, 0.4558, 0.4502 looks on a 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 15.0139, 0.4558, 0.4502

Background



This preview shows how black text looks on a background with the Yxy color 15.0139, 0.4558, 0.4502.



This preview shows how white text looks on a background with the Yxy color 15.0139, 0.4558, 0.4502.

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

15.0139, 0.4558, 0.4502

Protanopia

15.1587, 0.4261, 0.4713

Deuteranopia

15.0139, 0.4558, 0.4502



Tritanopia

15.0077, 0.3715, 0.3165

Trichromacy



Original Color

15.0139, 0.4558, 0.4502

Protanomaly

15.1113, 0.4362, 0.4636

Deuteranomaly

15.0139, 0.4558, 0.4502

Tritanomaly

14.9206, 0.4098, 0.3733

Monochromacy



Original Color

15.0139, 0.4558, 0.4502

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.1354, 0.3692, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0139, 0.4558, 0.4502 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(136, 103, 27)` looks like.

```
.text, #text, p{  
    color:rgb(136, 103, 27)  
}
```

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(136, 103, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 103, 27) }
```

Border

The CSS property to change the border of an element to Yxy 15.0139, 0.4558, 0.4502 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(136, 103, 27) }
```

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

```
.border{ border-color:rgb(136, 103, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 103, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 103, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 103, 27);  
box-shadow:4px 4px 4px 4px rgb(136, 103,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0139, 0.4558, 0.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 103, 27) }
```

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

```
.background{ background-color: rgb(136,  
103, 27) }
```

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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