

Converting Colors

$Y_{xy}(15.2093, 0.4338, 0.4378)$

Have a look what the booklet for
Yxy(15.2093, 0.4338, 0.4378)
contains.

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Color

Yxy(15.1831, 0.4335, 0.4387)

Conversions

Conversions Part 1

Format	Color
Hex	84692B
RGB	132, 105, 43
RGB Percent	52%, 41%, 17%
CMY	0.4823, 0.5882, 0.8315
CMYK	0.00, 0.20, 0.67, 0.48
HSL	42°, 51%, 34%
HSV	42°, 67%, 52%
XYZ	15.0031, 15.1831, 4.4231
YIQ	106.0050, 35.9940, -13.5580

Conversions

Conversions Part 2

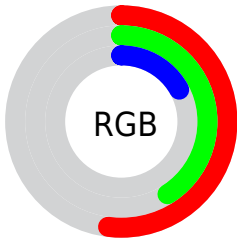
Format	Color
R_{YB}	82, 132, 43
Decimal	8677675
CIE _{Lab}	45.88, 3.48, 37.94
CIE _{LCh}	46, 38.104, 84.761
Yxy	15.1831, 0.4335, 0.4387
Android (android.graphics.Color)	4286867755 (0xFF84692B)
YUV	106.0050, -31.0615, 22.7976
Hunter-Lab	38.9655, 0.5394, 20.5457

Details

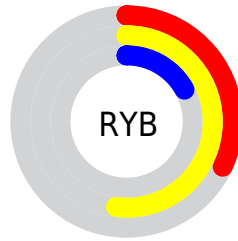
The Yxy color **15.1831, 0.4335, 0.4387** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.5562, 0.2007, 0.1791**, and the grayscale version is **14.4937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2236, 0.4079, 0.4163**, and **4.6884, 0.4699, 0.4651** is the 20% darker color. If you saturate the color by 10%, you get **14.3058, 0.4511, 0.4481**, and if you desaturate by 10%, it is **16.1317, 0.4145, 0.4258**.

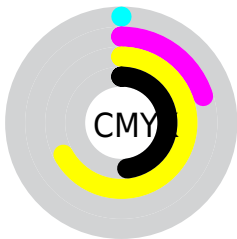
Distribution



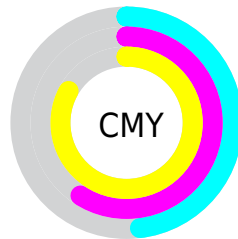
- Red (52%)
- Green (41%)
- Blue (17%)



- Red (32%)
- Yellow (52%)
- Blue (17%)



- Cyan (0%)
- Magenta (20%)
- Yellow (67%)
- Black (48%)





- Cyan (48%)
- Magenta (59%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1831, 0.4335, 0.4387 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 15.1831, 0.4335, 0.4387 by changing the saturation by 10% instead.


 15.1831, 0.4335,
0.4387


 15.1831, 0.4335,
0.4387


224.4718, 0.3649,
0.3779


 8.9480, 0.4518,
0.4538


 35.1741, 0.4071,
0.4159


 4.7073, 0.4780,
0.4749

 49.6987, 0.3975,
0.4074


 2.0766, 0.5060,
0.4940

 67.7553, 0.3896,
0.4003

 0.6514, 0.5194,
0.4806

 89.7283, 0.3830,
0.3944

 0.0000, 0.0000,
0.0000

 116.0021, 0.3774,
0.3893

 146.9610, 0.3727,

0.3850

182.9894, 0.3685,
0.3812

■ 15.1831, 0.4335,
0.4387

■ 15.1831, 0.4335,
0.4387

■ 14.3058, 0.4511,
0.4481

■ 16.1317, 0.4145,
0.4258

■ 13.4938, 0.4666,
0.4533

■ 17.1525, 0.3950,
0.4104

■ 12.7408, 0.4797,
0.4544

■ 18.2493, 0.3757,
0.3935

■ 12.5548, 0.4831,
0.4546

■ 19.4247, 0.3572,
0.3759

■ 20.6813, 0.3398,
0.3584

■ 22.0215, 0.3237,
0.3412

■ 23.4475, 0.3091,
0.3249

■ 24.9614, 0.2959,
0.3096

■ 26.5653, 0.2839,
0.2953

Harmonies

Analogous

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



15.1831, 0.4650, 0.3858



15.1831, 0.4335, 0.4387



15.1831, 0.3716, 0.4704

Triad

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



15.1831, 0.4335, 0.4387



15.1831, 0.1910, 0.3048



15.1831, 0.3126, 0.2362

Complementary

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



15.1831, 0.4335, 0.4387



6.5562, 0.2007, 0.1791

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.



15.1831, 0.2428, 0.2146



15.1831, 0.4335, 0.4387



15.1831, 0.1799, 0.2450

Square

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



15.1831, 0.4335, 0.4387



15.1831, 0.2320, 0.3868



15.1831, 0.1975, 0.2162



15.1831, 0.3918, 0.2766

Rectangle

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



15.1831, 0.4335, 0.4387



15.1831, 0.3225, 0.4663



15.1831, 0.1975, 0.2162



15.1831, 0.2872, 0.2267

Sweetspot

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



15.1838, 0.4335, 0.4387



35.7491, 0.3449, 0.3636



7.0888, 0.4543, 0.2795



8.1985, 0.3491, 0.3678



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.



15.1838, 0.4335, 0.4387



24.4175, 0.4597, 0.4515



20.3681, 0.3810, 0.4897



5.1910, 0.3264, 0.3441



12.1657, 0.4830, 0.4547



0.0550, 0.4486, 0.4820

Inverse Universe

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



6.5562, 0.2007, 0.1791



8.2041, 0.1794, 0.1412



4.3311, 0.2045, 0.1293



4.7579, 0.2992, 0.3135



3.0931, 0.1626, 0.1054



0.0224, 0.1847, 0.1848

Previews

White Background



This preview shows how the Yxy color 15.1831, 0.4335, 0.4387 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 15.1831, 0.4335, 0.4387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

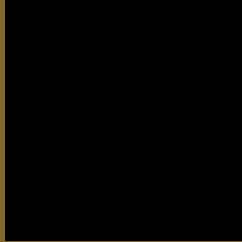
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.1831, 0.4335, 0.4387

Background



This preview shows how black text looks on a background with the Yxy color 15.1831, 0.4335, 0.4387.



This preview shows how white text looks on a background with the Yxy color 15.1831, 0.4335, 0.4387.

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

15.1831, 0.4335, 0.4387

Protanopia

15.1841, 0.4112, 0.4522

Deuteranopia

15.2259, 0.4391, 0.4348



Tritanopia

15.2827, 0.3596, 0.3162

Trichromacy



Original Color

15.1831, 0.4335, 0.4387

Protanomaly

15.2669, 0.4184, 0.4475

Deuteranomaly

15.1434, 0.4377, 0.4356

Tritanomaly

15.0828, 0.3902, 0.3632

Monochromacy



Original Color

15.1831, 0.4335, 0.4387

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5774, 0.3568, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1831, 0.4335, 0.4387 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(132, 105, 43)` looks like.

```
.text, #text, p{  
    color:rgb(132, 105, 43)  
}
```

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(132, 105, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 105, 43) }
```

Border

The CSS property to change the border of an element to Yxy 15.1831, 0.4335, 0.4387 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(132, 105, 43) }
```

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

```
.border{ border-color:rgb(132, 105, 43) }
```

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

Here you see how a box with a 4 pixel rgb(132, 105, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 105, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 105, 43);  
box-shadow:4px 4px 4px 4px rgb(132, 105,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1831, 0.4335, 0.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 105, 43) }
```

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

```
.background{ background-color: rgb(132,  
105, 43) }
```

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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