

Converting Colors

$Y_{xy}(15.7285, 0.4717, 0.4336)$

Have a look what the booklet for
Yxy(15.7285, 0.4717, 0.4336)
contains.

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Color

Yxy(15.7022, 0.4722, 0.4333)

Conversions

Conversions Part 1

Format	Color
Hex	94651F
RGB	148, 101, 31
RGB Percent	58%, 40%, 12%
CMY	0.4197, 0.6039, 0.8785
CMYK	0.00, 0.32, 0.79, 0.42
HSL	36°, 65%, 35%
HSV	36°, 79%, 58%
XYZ	17.1119, 15.7022, 3.4246
YIQ	107.0730, 50.4820, -11.8060

Conversions

Conversions Part 2

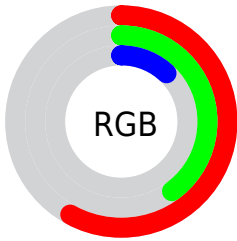
Format	Color
R_{YB}	110, 148, 31
Decimal	9725215
CIE _{Lab}	46.58, 12.58, 44.77
CIE _{LCh}	47, 46.502, 74.301
Yxy	15.7022, 0.4722, 0.4333
Android (android.graphics.Color)	4287915295 (0xFF94651F)
YUV	107.0730, -37.5040, 35.8930
Hunter-Lab	39.6260, 7.7370, 22.6143

Details

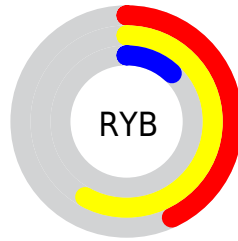
The Yxy color **15.7022, 0.4722, 0.4333** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.8731, 0.1894, 0.1727**, and the grayscale version is **14.8201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1724, 0.4382, 0.4153**, and **4.9655, 0.5095, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **14.5295, 0.4916, 0.4354**, and if you desaturate by 10%, it is **16.9958, 0.4505, 0.4265**.

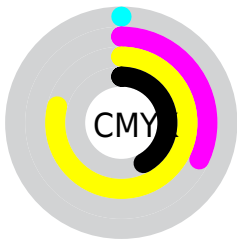
Distribution



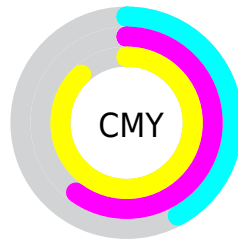
- Red (58%)
- Green (40%)
- Blue (12%)



- Red (43%)
- Yellow (58%)
- Blue (12%)



- Cyan (0%)
- Magenta (32%)
- Yellow (79%)
- Black (42%)





- Cyan (42%)
- Magenta (60%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7022, 0.4722, 0.4333 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 15.7022, 0.4722, 0.4333 by changing the saturation by 10% instead.


 15.7022, 0.4722,
0.4333


 15.7022, 0.4722,
0.4333

227.5780, 0.3828,
0.3805


 9.3137, 0.4948,
0.4427


 36.0804, 0.4385,
0.4157


 4.9463, 0.5333,
0.4598

 50.8389, 0.4260,
0.4084

 2.2158, 0.5515,
0.4485

 69.1562, 0.4156,
0.4020

 0.7286, 0.5809,
0.4191

 91.4166, 0.4069,
0.3965

 0.0000, 0.0000,
0.0000

 118.0046, 0.3995,
0.3917

 149.3046, 0.3931,

0.3875

185.7009, 0.3876,
0.3838

15.7022, 0.4722,
0.4333

15.7022, 0.4722,
0.4333

14.5295, 0.4916,
0.4354

16.9958, 0.4505,
0.4265

13.4636, 0.5085,
0.4333

18.4139, 0.4278,
0.4160

13.3675, 0.5102,
0.4331

19.9628, 0.4050,
0.4028

21.6473, 0.3831,
0.3881

23.4719, 0.3625,
0.3726

■ 25.4410, 0.3437,
0.3571

■ 27.5586, 0.3266,
0.3420

■ 29.8284, 0.3114,
0.3277

■ 32.2542, 0.2978,
0.3142

Harmonies

Analogous

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



15.7022, 0.4955, 0.3677



15.7022, 0.4722, 0.4333



15.7022, 0.4071, 0.4880

Triad

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



15.7022, 0.4722, 0.4333



15.7022, 0.1816, 0.3307



15.7022, 0.2799, 0.2094

Complementary

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



15.7022, 0.4722, 0.4333



7.8731, 0.1894, 0.1727

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.



15.7022, 0.2080, 0.1931



15.7022, 0.4722, 0.4333



15.7022, 0.1586, 0.2476

Square

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



15.7022, 0.4722, 0.4333



15.7022, 0.2395, 0.4344



15.7022, 0.1678, 0.2038



15.7022, 0.3745, 0.2486

Rectangle

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



15.7022, 0.4722, 0.4333



15.7022, 0.3515, 0.5024



15.7022, 0.1678, 0.2038



15.7022, 0.2526, 0.2012

Sweetspot

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



15.7030, 0.4722, 0.4333



42.9822, 0.3537, 0.3655



7.8495, 0.4667, 0.2591



9.5576, 0.3599, 0.3705



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



15.7030, 0.4722, 0.4333



24.1571, 0.5045, 0.4335



26.6979, 0.4001, 0.5002



6.3578, 0.3268, 0.3422



11.4744, 0.5095, 0.4337



0.1983, 0.4614, 0.4719

Inverse Universe

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



7.8731, 0.1894, 0.1727



9.9467, 0.1721, 0.1358



3.5834, 0.1743, 0.0927



5.9924, 0.2989, 0.3154



4.5862, 0.1697, 0.1309



0.1113, 0.1927, 0.2137

Previews

White Background



This preview shows how the Yxy color 15.7022, 0.4722, 0.4333 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 15.7022, 0.4722, 0.4333 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 15.7022, 0.4722, 0.4333

Background



This preview shows how black text looks on a background with the Yxy color 15.7022, 0.4722, 0.4333.



This preview shows how white text looks on a background with the Yxy color 15.7022, 0.4722, 0.4333.

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

15.7022, 0.4722, 0.4333

Protanopia

15.7695, 0.4219, 0.4657

Deuteranopia

15.6808, 0.4555, 0.4486



Tritanopia

15.6204, 0.3920, 0.3173

Trichromacy



Original Color

15.7022, 0.4722, 0.4333

Protanomaly

15.6117, 0.4411, 0.4529

Deuteranomaly

15.7451, 0.4604, 0.4436

Tritanomaly

15.6505, 0.4277, 0.3650

Monochromacy



Original Color

15.7022, 0.4722, 0.4333

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.8052, 0.3736, 0.3817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7022, 0.4722, 0.4333 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(148, 101, 31)` looks like.

```
.text, #text, p{  
    color:rgb(148, 101, 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(148, 101, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 101, 31) }
```

Border

The CSS property to change the border of an element to Yxy 15.7022, 0.4722, 0.4333 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(148, 101, 31) }
```

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

```
.border{ border-color:rgb(148, 101, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 101, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 101, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 101, 31);  
box-shadow:4px 4px 4px 4px rgb(148, 101,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7022, 0.4722, 0.4333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 101, 31) }
```

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

```
.background{ background-color: rgb(148,  
101, 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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