

Converting Colors

$Y_{xy}(15.7385, 0.4825, 0.4263)$

Have a look what the booklet for
Yxy(15.7385, 0.4825, 0.4263)
contains.

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Color

Yxy(15.7949, 0.4817, 0.4264)

Conversions

Conversions Part 1

Format	Color
Hex	99631F
RGB	153, 99, 31
RGB Percent	60%, 39%, 12%
CMY	0.4001, 0.6117, 0.8784
CMYK	0.00, 0.35, 0.80, 0.40
HSL	33°, 66%, 36%
HSV	33°, 80%, 60%
XYZ	17.8433, 15.7949, 3.4042
YIQ	107.3940, 54.0120, -9.7000

Conversions

Conversions Part 2

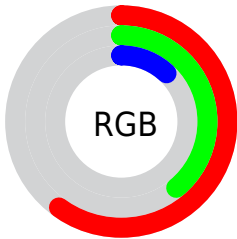
Format	Color
R_{YB}	128, 153, 31
Decimal	10052383
CIE _{Lab}	46.70, 16.02, 45.10
CIE _{LCh}	47, 47.865, 70.447
Yxy	15.7949, 0.4817, 0.4264
Android (android.graphics.Color)	4288242463 (0xFF99631F)
YUV	107.3940, -37.6622, 39.9965
Hunter-Lab	39.7428, 10.5914, 22.7414

Details

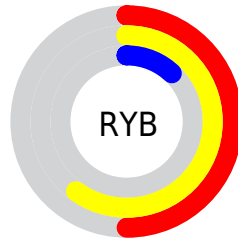
The Yxy color **15.7949, 0.4817, 0.4264** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.0817, 0.1911, 0.1816**, and the grayscale version is **14.9142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2557, 0.4449, 0.4109**, and **4.9974, 0.5221, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **14.5040, 0.5028, 0.4272**, and if you desaturate by 10%, it is **17.2332, 0.4582, 0.4208**.

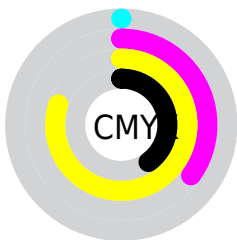
Distribution



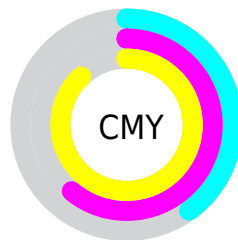
- Red (60%)
- Green (39%)
- Blue (12%)



- Red (50%)
- Yellow (60%)
- Blue (12%)



- Cyan (0%)
- Magenta (35%)
- Yellow (80%)
- Black (40%)





- Cyan (40%)
- Magenta (61%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7949, 0.4817, 0.4264 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 15.7949, 0.4817, 0.4264 by changing the saturation by 10% instead.

 15.7949, 0.4817,
0.4264


 15.7949, 0.4817,
0.4264


228.1284, 0.3868,
0.3786


 9.3791, 0.5058,
0.4338


 36.2418, 0.4458,
0.4111


 4.9893, 0.5465,
0.4476

 51.0417, 0.4326,
0.4045

 2.2410, 0.5676,
0.4324

 69.4051, 0.4216,
0.3987

 0.7422, 0.6021,
0.3979

 91.7164, 0.4124,
0.3936

 0.0000, 1.0000,
0.0000

 118.3600, 0.4045,
0.3891

 0.0000, 0.0000,
0.0000

 149.7202, 0.3977,

0.3852

186.1816, 0.3919,
0.3817

15.7949, 0.4817,
0.4264

15.7949, 0.4817,
0.4264

14.5040, 0.5028,
0.4272

17.2332, 0.4582,
0.4208

13.3439, 0.5215,
0.4238

18.8239, 0.4337,
0.4114

13.3149, 0.5220,
0.4237

20.5742, 0.4095,
0.3992

22.4902, 0.3863,
0.3854

24.5774, 0.3649,
0.3709

■ 26.8410, 0.3454,
0.3563

■ 29.2860, 0.3279,
0.3421

■ 31.9172, 0.3123,
0.3287

■ 34.7389, 0.2986,
0.3161

Harmonies

Analogous

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



15.7949, 0.4990, 0.3593



15.7949, 0.4817, 0.4264



15.7949, 0.4188, 0.4860

Triad

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



15.7949, 0.4817, 0.4264



15.7949, 0.1841, 0.3439



15.7949, 0.2678, 0.2033

Complementary

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



15.7949, 0.4817, 0.4264



9.0817, 0.1911, 0.1816

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.



15.7949, 0.1985, 0.1899



15.7949, 0.4817, 0.4264



15.7949, 0.1563, 0.2539

Square

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



15.7949, 0.4817, 0.4264



15.7949, 0.2473, 0.4499



15.7949, 0.1618, 0.2045



15.7949, 0.3632, 0.2405

Rectangle

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



15.7949, 0.4817, 0.4264



15.7949, 0.3631, 0.5065



15.7949, 0.1618, 0.2045



15.7949, 0.2411, 0.1960

Sweetspot

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



15.7957, 0.4817, 0.4264



46.1220, 0.3543, 0.3632



8.4203, 0.4592, 0.2527



9.8944, 0.3608, 0.3679



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



15.7957, 0.4817, 0.4264



24.2766, 0.5175, 0.4239



29.0672, 0.4051, 0.4979



6.7652, 0.3270, 0.3414



11.0748, 0.5211, 0.4245



0.2380, 0.4688, 0.4659

Inverse Universe

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



9.0817, 0.1911, 0.1816



11.8994, 0.1746, 0.1457



3.6742, 0.1702, 0.0893



6.4536, 0.2989, 0.3163



5.3513, 0.1731, 0.1430



0.1509, 0.1952, 0.2226

Previews

White Background



This preview shows how the Yxy color 15.7949, 0.4817, 0.4264 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 15.7949, 0.4817, 0.4264 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 15.7949, 0.4817, 0.4264

Background



This preview shows how black text looks on a background with the Yxy color 15.7949, 0.4817, 0.4264.



This preview shows how white text looks on a background with the Yxy color 15.7949, 0.4817, 0.4264.

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

15.7949, 0.4817, 0.4264

Protanopia

15.8443, 0.4234, 0.4648

Deuteranopia

15.7624, 0.4576, 0.4487



Tritanopia

15.8977, 0.4032, 0.3193

Trichromacy



Original Color

15.7949, 0.4817, 0.4264

Protanomaly

15.7761, 0.4440, 0.4512

Deuteranomaly

15.8089, 0.4667, 0.4405

Tritanomaly

15.7467, 0.4397, 0.3637

Monochromacy



Original Color

15.7949, 0.4817, 0.4264

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.7502, 0.3773, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7949, 0.4817, 0.4264 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(153, 99, 31)` looks like.

```
.text, #text, p{  
    color:rgb(153, 99, 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(153, 99, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 99, 31) }
```

Border

The CSS property to change the border of an element to Yxy 15.7949, 0.4817, 0.4264 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(153, 99, 31) }
```

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

```
.border{ border-color:rgb(153, 99, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 99, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 99, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 99, 31);  
box-shadow:4px 4px 4px 4px rgb(153, 99,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7949, 0.4817, 0.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 99, 31) }
```

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

```
.background{ background-color: rgb(153, 99,  
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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