

Converting Colors

$Y_{xy}(15.3960, 0.4793, 0.4290)$

Have a look what the booklet for
Yxy(15.3960, 0.4793, 0.4290)
contains.

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Color

Yxy(15.5014, 0.4787, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	96631E
RGB	150, 99, 30
RGB Percent	59%, 39%, 12%
CMY	0.4118, 0.6117, 0.8824
CMYK	0.00, 0.34, 0.80, 0.41
HSL	35°, 67%, 35%
HSV	35°, 80%, 59%
XYZ	17.2731, 15.5014, 3.3088
YIQ	106.3830, 52.5450, -10.6470

Conversions

Conversions Part 2

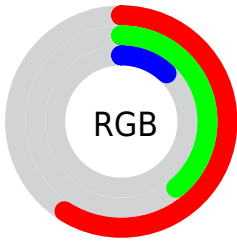
Format	Color
R_{YB}	119, 150, 30
Decimal	9855774
CIE _{Lab}	46.31, 14.62, 45.02
CIE _{LCh}	46, 47.339, 72.010
Yxy	15.5014, 0.4787, 0.4296
Android (android.graphics.Color)	4288045854 (0xFF96631E)
YUV	106.3830, -37.6568, 38.2521
Hunter-Lab	39.3718, 9.4103, 22.5775

Details

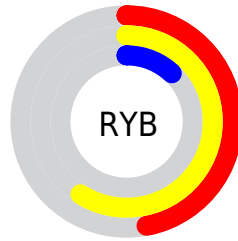
The Yxy color **15.5014, 0.4787, 0.4296** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.3587, 0.1897, 0.1766**, and the grayscale version is **14.6186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8018, 0.4428, 0.4132**, and **4.8889, 0.5187, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **14.2826, 0.4989, 0.4307**, and if you desaturate by 10%, it is **16.8536, 0.4561, 0.4238**.

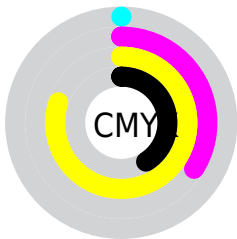
Distribution



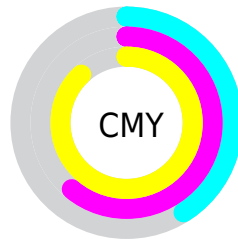
- Red (59%)
- Green (39%)
- Blue (12%)



- Red (47%)
- Yellow (59%)
- Blue (12%)



- Cyan (0%)
- Magenta (34%)
- Yellow (80%)
- Black (41%)





- Cyan (41%)
- Magenta (61%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5014, 0.4787, 0.4296 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 15.5014, 0.4787, 0.4296 by changing the saturation by 10% instead.


 15.5014, 0.4787,
0.4296

 15.5014, 0.4787,
0.4296


226.3813, 0.3854,
0.3795


 9.1720, 0.5024,
0.4378


 35.7304, 0.4434,
0.4133

 4.8536, 0.5438,
0.4540

 50.3989, 0.4304,
0.4064


 2.1616, 0.5618,
0.4382

 68.6158, 0.4196,
0.4003

 0.6989, 0.5967,
0.4033


 90.7656, 0.4105,
0.3950


 0.0000, 0.0000,
0.0000


 117.2326, 0.4028,
0.3904


 148.4013, 0.3962,

0.3863


 184.6561, 0.3904,
0.3827

 15.5014, 0.4787,
0.4296


 15.5014, 0.4787,
0.4296


 14.2826, 0.4989,
0.4307


 16.8536, 0.4561,
0.4238

 13.1818, 0.5169,
0.4278

 18.3434, 0.4324,
0.4140

 19.9777, 0.4088,
0.4015

 21.7620, 0.3861,
0.3874

 23.7011, 0.3650,
0.3724

■ 25.7999, 0.3456,
0.3575

■ 28.0629, 0.3282,
0.3429

■ 30.4944, 0.3127,
0.3290

■ 33.0983, 0.2990,
0.3160

Harmonies

Analogous

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



15.5014, 0.4988, 0.3628



15.5014, 0.4787, 0.4296



15.5014, 0.4144, 0.4877

Triad

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



15.5014, 0.4787, 0.4296



15.5014, 0.1823, 0.3384



15.5014, 0.2724, 0.2051

Complementary

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



15.5014, 0.4787, 0.4296



8.3587, 0.1897, 0.1766

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.



15.5014, 0.2017, 0.1905



15.5014, 0.4787, 0.4296



15.5014, 0.1564, 0.2508

Square

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



15.5014, 0.4787, 0.4296



15.5014, 0.2436, 0.4444



15.5014, 0.1635, 0.2035



15.5014, 0.3682, 0.2433

Rectangle

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



15.5014, 0.4787, 0.4296



15.5014, 0.3584, 0.5061



15.5014, 0.1635, 0.2035



15.5014, 0.2453, 0.1974

Sweetspot

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



15.5022, 0.4787, 0.4296



43.8455, 0.3540, 0.3641



8.0204, 0.4646, 0.2559



9.4539, 0.3603, 0.3690



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.



15.5022, 0.4787, 0.4296



23.6652, 0.5125, 0.4279



27.6552, 0.4029, 0.4997



6.3359, 0.3269, 0.3417



10.9979, 0.5160, 0.4285



0.1932, 0.4648, 0.4692

Inverse Universe

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



8.3587, 0.1897, 0.1766



10.7199, 0.1732, 0.1406



3.5415, 0.1714, 0.0897



6.0139, 0.2989, 0.3159



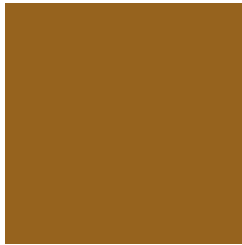
4.9035, 0.1716, 0.1379



0.1164, 0.1944, 0.2200

Previews

White Background



This preview shows how the Yxy color 15.5014, 0.4787, 0.4296 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 15.5014, 0.4787, 0.4296 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 15.5014, 0.4787, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 15.5014, 0.4787, 0.4296.



This preview shows how white text looks on a background with the Yxy color 15.5014, 0.4787, 0.4296.

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

15.5014, 0.4787, 0.4296

Protanopia

15.5468, 0.4240, 0.4654

Deuteranopia

15.6760, 0.4562, 0.4495



Tritanopia

15.4252, 0.3994, 0.3175

Trichromacy



Original Color

15.5014, 0.4787, 0.4296

Protanomaly

15.3989, 0.4434, 0.4525

Deuteranomaly

15.6288, 0.4640, 0.4422

Tritanomaly

15.4511, 0.4355, 0.3644

Monochromacy



Original Color

15.5014, 0.4787, 0.4296

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.3881, 0.3763, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5014, 0.4787, 0.4296 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(150, 99, 30)` looks like.

```
.text, #text, p{  
    color:rgb(150, 99, 30)  
}
```

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(150, 99, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 99, 30) }
```

Border

The CSS property to change the border of an element to Yxy 15.5014, 0.4787, 0.4296 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(150, 99, 30) }
```

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

```
.border{ border-color:rgb(150, 99, 30) }
```

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

Here you see how a box with a 4 pixel rgb(150, 99, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 99, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 99, 30);  
box-shadow:4px 4px 4px 4px rgb(150, 99,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5014, 0.4787, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 99, 30) }
```

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

```
.background{ background-color: rgb(150, 99,  
30) }
```

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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