

Converting Colors

$Y_{xy}(15.8613, 0.4887, 0.4395)$

Have a look what the booklet for
Yxy(15.8613, 0.4887, 0.4395)
contains.

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Color

Yxy(15.8242, 0.4887, 0.4396)

Conversions

Conversions Part 1

Format	Color
Hex	98640F
RGB	152, 100, 15
RGB Percent	60%, 39%, 6%
CMY	0.4039, 0.6078, 0.9410
CMYK	0.00, 0.34, 0.90, 0.40
HSL	37°, 82%, 33%
HSV	37°, 90%, 60%
XYZ	17.5916, 15.8242, 2.5810
YIQ	105.8580, 58.2770, -15.4110

Conversions

Conversions Part 2

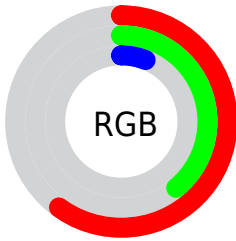
Format	Color
R_{YB}	99, 152, 15
Decimal	9987087
CIE _{Lab}	46.74, 14.50, 50.73
CIE _{LCh}	47, 52.757, 74.047
Yxy	15.8242, 0.4887, 0.4396
Android (android.graphics.Color)	4288177167 (0xFF98640F)
YUV	105.8580, -44.7930, 40.4665
Hunter-Lab	39.7796, 9.3232, 23.9989

Details

The Yxy color **15.8242, 0.4887, 0.4396** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.3878, 0.1758, 0.1426**, and the grayscale version is **14.4872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4118, 0.4534, 0.4233**, and **5.0330, 0.5176, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **14.7322, 0.5044, 0.4377**, and if you desaturate by 10%, it is **17.0319, 0.4707, 0.4377**.

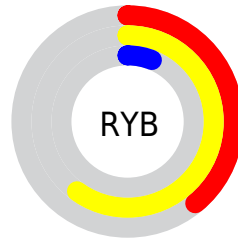
Distribution



Red (60%)

Green (39%)

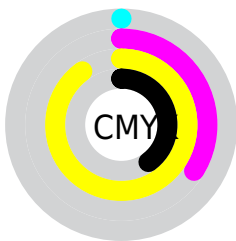
Blue (6%)



Red (39%)

Yellow (60%)

Blue (6%)

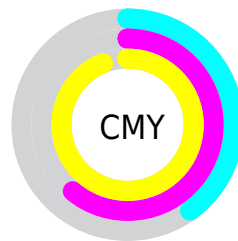


Cyan (0%)

Magenta (34%)

Yellow (90%)

Black (40%)



Cyan (40%)


Magenta (61%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8242, 0.4887, 0.4396 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 15.8242, 0.4887, 0.4396 by changing the saturation by 10% instead.


 15.8242, 0.4887,
0.4396


 15.8242, 0.4887,
0.4396


228.3021, 0.3921,
0.3864


 9.3998, 0.5112,
0.4468


 36.2927, 0.4534,
0.4233


 5.0029, 0.5440,
0.4560

 51.1057, 0.4399,
0.4159

 2.2490, 0.5604,
0.4396

 69.4837, 0.4286,
0.4094


 0.7465, 0.5921,
0.4079

 91.8110, 0.4190,
0.4036


 0.0000, 1.0000,
0.0000


 118.4721, 0.4108,
0.3985


 0.0000, 0.0000,
0.0000

 149.8514, 0.4037,


0.3940


 186.3333, 0.3975,
0.3900

 15.8242, 0.4887,
0.4396


 15.8242, 0.4887,
0.4396


 14.7322, 0.5044,
0.4377

 17.0319, 0.4707,
0.4377

 18.3563, 0.4502,
0.4310

 19.8045, 0.4284,
0.4204

 21.3820, 0.4062,
0.4070

 23.0938, 0.3847,
0.3919

■ 24.9446, 0.3643,
0.3759

■ 26.9387, 0.3454,
0.3598

■ 29.0802, 0.3283,
0.3441

■ 31.3729, 0.3129,
0.3291

Harmonies

Analogous

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



15.8242, 0.5174, 0.3672



15.8242, 0.4887, 0.4396



15.8242, 0.4148, 0.5048

Triad

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



15.8242, 0.4887, 0.4396



15.8242, 0.1672, 0.3301



15.8242, 0.2743, 0.1971

Complementary

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



15.8242, 0.4887, 0.4396



6.3878, 0.1758, 0.1426

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.



15.8242, 0.1960, 0.1794



15.8242, 0.4887, 0.4396



15.8242, 0.1432, 0.2371

Square

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



15.8242, 0.4887, 0.4396



15.8242, 0.2299, 0.4511



15.8242, 0.1533, 0.1902



15.8242, 0.3808, 0.2392

Rectangle

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



15.8242, 0.4887, 0.4396



15.8242, 0.3532, 0.5257



15.8242, 0.1533, 0.1902



15.8242, 0.2442, 0.1883

Sweetspot

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



15.8250, 0.4887, 0.4396



44.9148, 0.3593, 0.3717



7.4297, 0.5115, 0.2686



9.9671, 0.3653, 0.3767



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.



15.8250, 0.4887, 0.4396



25.6552, 0.5064, 0.4361



27.7244, 0.3986, 0.5147



6.8286, 0.3269, 0.3428



12.4147, 0.5037, 0.4383



0.2554, 0.4598, 0.4731

Inverse Universe

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



6.3878, 0.1758, 0.1426



8.9714, 0.1666, 0.1197



2.9017, 0.1632, 0.0740



6.3915, 0.2988, 0.3148



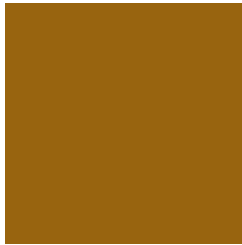
4.4692, 0.1679, 0.1243



0.1335, 0.1905, 0.2058

Previews

White Background



This preview shows how the Yxy color 15.8242, 0.4887, 0.4396 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 15.8242, 0.4887, 0.4396 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 15.8242, 0.4887, 0.4396

Background



This preview shows how black text looks on a background with the Yxy color 15.8242, 0.4887, 0.4396.



This preview shows how white text looks on a background with the Yxy color 15.8242, 0.4887, 0.4396.

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

15.8242, 0.4887, 0.4396

Protanopia

15.9953, 0.4314, 0.4802

Deuteranopia

15.7856, 0.4686, 0.4598



Tritanopia

15.8167, 0.4001, 0.3176

Trichromacy



Original Color

15.8242, 0.4887, 0.4396

Protanomaly

15.9197, 0.4520, 0.4653

Deuteranomaly

15.7444, 0.4765, 0.4523

Tritanomaly

15.7640, 0.4447, 0.3734

Monochromacy



Original Color

15.8242, 0.4887, 0.4396

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5926, 0.3842, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8242, 0.4887, 0.4396 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(152, 100, 15)` looks like.

```
.text, #text, p{  
    color:rgb(152, 100, 15)  
}
```

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(152, 100, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 100, 15) }
```

Border

The CSS property to change the border of an element to Yxy 15.8242, 0.4887, 0.4396 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(152, 100, 15) }
```

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

```
.border{ border-color:rgb(152, 100, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 100, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 100, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 100, 15);  
box-shadow:4px 4px 4px 4px rgb(152, 100,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8242, 0.4887, 0.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 100, 15) }
```

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

```
.background{ background-color: rgb(152,  
100, 15) }
```

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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