

Converting Colors

$Y_{xy}(15.9677, 0.4144, 0.3782)$

Have a look what the booklet for
Yxy(15.9677, 0.4144, 0.3782)
contains.

Yxy(15.9400, 0.4145, 0.3771)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.9400, 0.4145, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	90664B
RGB	144, 102, 75
RGB Percent	56%, 40%, 29%
CMY	0.4354, 0.6000, 0.7059
CMYK	0.00, 0.29, 0.48, 0.44
HSL	23°, 32%, 43%
HSV	23°, 48%, 56%
XYZ	17.5209, 15.9400, 8.8091
YIQ	111.4800, 33.6990, 0.5070

Conversions

Conversions Part 2

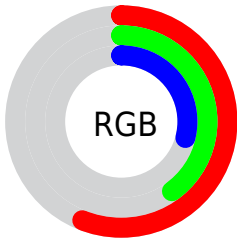
Format	Color
RYB	144, 119, 75
Decimal	9463371
CIELab	46.90, 13.46, 21.94
CIELCh	47, 25.739, 58.473
Yxy	15.9400, 0.4145, 0.3771
Android (android.graphics.Color)	4287653451 (0xFF90664B)
YUV	111.4800, -17.9846, 28.5200
Hunter-Lab	39.9249, 8.4654, 14.8657

Details

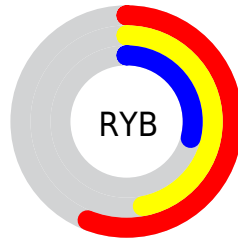
The Yxy color **15.9400, 0.4145, 0.3771** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.2246, 0.2411, 0.2737**, and the grayscale version is **16.0895, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5171, 0.3907, 0.3672**, and **5.0503, 0.4601, 0.3928** is the 20% darker color. If you saturate the color by 10%, you get **14.1333, 0.4441, 0.3858**, and if you desaturate by 10%, it is **17.9749, 0.3876, 0.3671**.

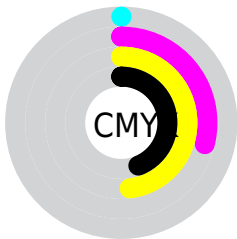
Distribution



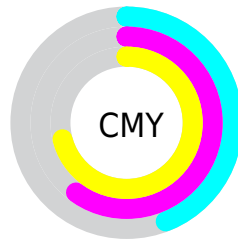
- Red (56%)
- Green (40%)
- Blue (29%)



- Red (56%)
- Yellow (47%)
- Blue (29%)



- Cyan (0%)
- Magenta (29%)
- Yellow (48%)
- Black (44%)




- Cyan (44%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9400, 0.4145, 0.3771 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 15.9400, 0.4145, 0.3771 by changing the saturation by 10% instead.


 15.9400, 0.4145,
0.3771


 15.9400, 0.4145,
0.3771


228.9874, 0.3545,
0.3510


 9.4817, 0.4332,
0.3838


 36.4940, 0.3901,
0.3673


 5.0567, 0.4598,
0.3918

 51.3585, 0.3817,
0.3637

 2.2806, 0.5055,
0.4052

 69.7939, 0.3750,
0.3607

 0.7634, 0.5842,
0.4158

 92.1845, 0.3694,
0.3582

 0.0000, 1.0000,
0.0000

 118.9148, 0.3648,
0.3560

 0.0000, 0.0000,
0.0000

150.3691, 0.3608,

0.3541

186.9318, 0.3574,
0.3525

■ 15.9400, 0.4145,
0.3771

■ 15.9400, 0.4145,
0.3771

■ 14.1333, 0.4441,
0.3858

■ 17.9749, 0.3876,
0.3671

■ 12.5438, 0.4755,
0.3923

■ 20.2438, 0.3638,
0.3567

■ 11.1629, 0.5072,
0.3953

■ 22.7551, 0.3431,
0.3464

■ 9.9804, 0.5369,
0.3938

■ 25.5163, 0.3251,
0.3364

■ 8.9818, 0.5632,
0.3879

■ 28.5342, 0.3097,
0.3271

■ 8.7934, 0.5687,
0.3867

■ 31.8156, 0.2964,
0.3184

■ 35.3670, 0.2850,
0.3105

■ 39.1944, 0.2752,
0.3032

■ 43.3040, 0.2667,
0.2965

Harmonies

Analogous

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



15.9400, 0.4073, 0.3369



15.9400, 0.4145, 0.3771



15.9400, 0.3924, 0.4097

Triad

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



15.9400, 0.4145, 0.3771



15.9400, 0.2541, 0.3606



15.9400, 0.2708, 0.2495

Complementary

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



15.9400, 0.4145, 0.3771



16.2246, 0.2411, 0.2737

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.



15.9400, 0.2355, 0.2497



15.9400, 0.4145, 0.3771



15.9400, 0.2263, 0.3092

Square

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



15.9400, 0.4145, 0.3771



15.9400, 0.2988, 0.4049



15.9400, 0.2200, 0.2697



15.9400, 0.3204, 0.2669

Rectangle

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



15.9400, 0.4145, 0.3771



15.9400, 0.3653, 0.4213



15.9400, 0.2200, 0.2697



15.9400, 0.2571, 0.2475

Sweetspot

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



15.9408, 0.4145, 0.3771



41.8589, 0.3362, 0.3427



12.2567, 0.3598, 0.2555



9.3856, 0.3399, 0.3447



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



15.9408, 0.4145, 0.3771



24.8571, 0.4449, 0.3860



24.0263, 0.3868, 0.4310



5.7489, 0.3272, 0.3377



7.7024, 0.5677, 0.3875



0.1144, 0.4972, 0.4434

Inverse Universe

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



16.2246, 0.2411, 0.2737



25.3881, 0.2273, 0.2593



9.7023, 0.2279, 0.2004



5.7665, 0.2990, 0.3202



7.8225, 0.1886, 0.1989



0.1178, 0.2064, 0.2631

Previews

White Background



This preview shows how the Yxy color 15.9400, 0.4145, 0.3771 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 15.9400, 0.4145, 0.3771 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 15.9400, 0.4145, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 15.9400, 0.4145, 0.3771.



This preview shows how white text looks on a background with the Yxy color 15.9400, 0.4145, 0.3771.

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

15.9400, 0.4145, 0.3771

Protanopia

15.9265, 0.3668, 0.3937

Deuteranopia

16.0781, 0.3970, 0.3910



Tritanopia

15.9583, 0.3763, 0.3169

Trichromacy



Original Color

15.9400, 0.4145, 0.3771

Protanomaly

15.9423, 0.3834, 0.3871

Deuteranomaly

16.0008, 0.4045, 0.3860

Tritanomaly

15.8428, 0.3913, 0.3381

Monochromacy



Original Color

15.9400, 0.4145, 0.3771

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.8179, 0.3471, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9400, 0.4145, 0.3771 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(144, 102, 75)` looks like.

```
.text, #text, p{  
    color:rgb(144, 102, 75)  
}
```

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(144, 102, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 102, 75) }
```

Border

The CSS property to change the border of an element to Yxy 15.9400, 0.4145, 0.3771 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(144, 102, 75) }
```

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

```
.border{ border-color:rgb(144, 102, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 102, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 102, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 102, 75);  
box-shadow:4px 4px 4px 4px rgb(144, 102,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9400, 0.4145, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 102, 75) }
```

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

```
.background{ background-color: rgb(144,  
102, 75) }
```

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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