

Converting Colors

$Y_{xy}(15.9451, 0.3774, 0.3537)$

Have a look what the booklet for
Yxy(15.9451, 0.3774, 0.3537)
contains.

Yxy(15.8902, 0.3780, 0.3535)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8902, 0.3780, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	88685B
RGB	136, 104, 91
RGB Percent	53%, 41%, 36%
CMY	0.4667, 0.5921, 0.6431
CMYK	0.00, 0.24, 0.33, 0.47
HSL	17°, 20%, 45%
HSV	17°, 33%, 53%
XYZ	16.9915, 15.8902, 12.0694
YIQ	112.0860, 23.2450, 2.7410

Conversions

Conversions Part 2

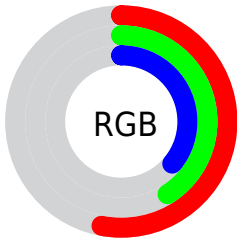
Format	Color
R_{YB}	136, 109, 91
Decimal	8939611
CIE _{Lab}	46.83, 10.85, 12.25
CIE _{LCh}	47, 16.365, 48.486
Yxy	15.8902, 0.3780, 0.3535
Android (android.graphics.Color)	4287129691 (0xFF88685B)
YUV	112.0860, -10.3954, 20.9726
Hunter-Lab	39.8625, 6.3267, 9.9522

Details

The Yxy color **15.8902, 0.3780, 0.3535** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.1658, 0.2641, 0.3029**, and the grayscale version is **16.2561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3129, 0.3621, 0.3482**, and **5.0470, 0.4092, 0.3634** is the 20% darker color. If you saturate the color by 10%, you get **13.8407, 0.4054, 0.3611**, and if you desaturate by 10%, it is **18.2070, 0.3544, 0.3458**.

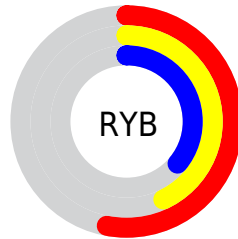
Distribution



Red (53%)

Green (41%)

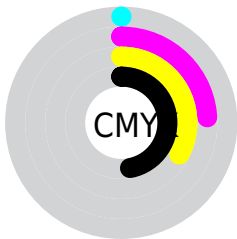
Blue (36%)



Red (53%)

Yellow (43%)

Blue (36%)

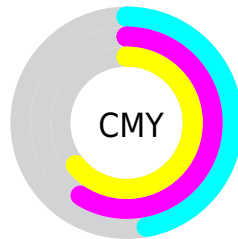


Cyan (0%)

Magenta (24%)

Yellow (33%)

Black (47%)



Cyan (47%)


Magenta (59%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8902, 0.3780, 0.3535 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 15.8902, 0.3780, 0.3535 by changing the saturation by 10% instead.


 15.8902, 0.3780,
0.3535


 15.8902, 0.3780,
0.3535


228.6929, 0.3393,
0.3399


 9.4465, 0.3905,
0.3573


 36.4075, 0.3621,
0.3482


 5.0335, 0.4087,
0.3623

 51.2498, 0.3567,
0.3463

 2.2670, 0.4377,
0.3690

 69.6605, 0.3524,
0.3448

 0.7561, 0.5674,
0.4326

 92.0240, 0.3488,
0.3435

 0.0000, 0.0000,
0.0000

118.7245, 0.3458,
0.3424

150.1466, 0.3433,

0.3414

186.6746, 0.3412,
0.3406

■ 15.8902, 0.3780,
0.3535

■ 15.8902, 0.3780,
0.3535

■ 13.8407, 0.4054,
0.3611

■ 18.2070, 0.3544,
0.3458

■ 12.0465, 0.4367,
0.3680

■ 20.7981, 0.3344,
0.3382

■ 10.4977, 0.4712,
0.3734

■ 23.6730, 0.3174,
0.3311

■ 9.1834, 0.5076,
0.3762

■ 26.8403, 0.3031,
0.3245

■ 8.0912, 0.5431,
0.3754

■ 30.3079, 0.2909,
0.3184

■ 7.2077, 0.5745,
0.3704

■ 34.0836, 0.2807,
0.3128

■ 6.7049, 0.5945,
0.3661

■ 38.1748, 0.2719,
0.3077

■ 42.5888, 0.2644,
0.3031

■ 47.3324, 0.2579,
0.2988

Harmonies

Analogous

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



15.8902, 0.3668, 0.3265



15.8902, 0.3780, 0.3535



15.8902, 0.3706, 0.3761

Triad

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



15.8902, 0.3780, 0.3535



15.8902, 0.2842, 0.3591



15.8902, 0.2769, 0.2752

Complementary

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



15.8902, 0.3780, 0.3535



18.1658, 0.2641, 0.3029

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.



15.8902, 0.2572, 0.2806



15.8902, 0.3780, 0.3535



15.8902, 0.2611, 0.3280

Square

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



15.8902, 0.3780, 0.3535



15.8902, 0.3157, 0.3816



15.8902, 0.2515, 0.2992



15.8902, 0.3070, 0.2829

Rectangle

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



15.8902, 0.3780, 0.3535



15.8902, 0.3565, 0.3853



15.8902, 0.2515, 0.2992



15.8902, 0.2689, 0.2755

Sweetspot

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



15.8909, 0.3780, 0.3535



38.0561, 0.3292, 0.3361



14.1527, 0.3345, 0.2708



8.6738, 0.3314, 0.3370



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



15.8909, 0.3780, 0.3535



25.1546, 0.3990, 0.3595



20.9742, 0.3656, 0.3926



5.2688, 0.3274, 0.3354



6.3609, 0.5941, 0.3664



0.0649, 0.5216, 0.4240

Inverse Universe

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



18.1658, 0.2641, 0.3029



29.8168, 0.2534, 0.2957



13.2607, 0.2585, 0.2560



5.4485, 0.2991, 0.3225



9.7374, 0.1986, 0.2349



0.0899, 0.2120, 0.2832

Previews

White Background



This preview shows how the Yxy color 15.8902, 0.3780, 0.3535 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 15.8902, 0.3780, 0.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

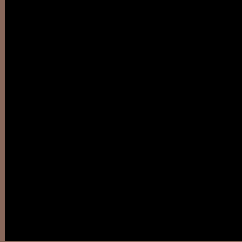
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.8902, 0.3780, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 15.8902, 0.3780, 0.3535.



This preview shows how white text looks on a background with the Yxy color 15.8902, 0.3780, 0.3535.

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

15.8902, 0.3780, 0.3535

Protanopia

15.9589, 0.3428, 0.3637

Deuteranopia

15.9207, 0.3674, 0.3621



Tritanopia

15.8148, 0.3559, 0.3145

Trichromacy



Original Color

15.8902, 0.3780, 0.3535

Protanomaly

15.8005, 0.3554, 0.3588

Deuteranomaly

15.9518, 0.3724, 0.3597

Tritanomaly

15.7804, 0.3643, 0.3292

Monochromacy



Original Color

15.8902, 0.3780, 0.3535

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.0017, 0.3358, 0.3390

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8902, 0.3780, 0.3535 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(136, 104, 91)` looks like.

```
.text, #text, p{  
    color:rgb(136, 104, 91)  
}
```

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(136, 104, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 104, 91) }
```

Border

The CSS property to change the border of an element to Yxy 15.8902, 0.3780, 0.3535 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(136, 104, 91) }
```

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

```
.border{ border-color:rgb(136, 104, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 104, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 104, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 104, 91);  
box-shadow:4px 4px 4px 4px rgb(136, 104,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8902, 0.3780, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 104, 91) }
```

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

```
.background{ background-color: rgb(136,  
104, 91) }
```

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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