

Converting Colors

$Y_{xy}(19.8671, 0.4386, 0.4435)$

Have a look what the booklet for
Yxy(19.8671, 0.4386, 0.4435)
contains.

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Color

Yxy(19.8671, 0.4386, 0.4435)

Conversions

Conversions Part 1

Format	Color
Hex	96772D
RGB	150, 119, 45
RGB Percent	59%, 47%, 18%
CMY	0.4118, 0.5333, 0.8235
CMYK	0.00, 0.21, 0.70, 0.41
HSL	42°, 54%, 38%
HSV	42°, 70%, 59%
XYZ	19.6476, 19.8671, 5.2815
YIQ	119.8330, 42.2300, -16.4420

Conversions

Conversions Part 2

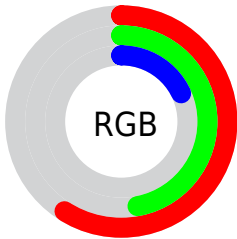
Format	Color
R_{YB}	89, 150, 45
Decimal	9860909
CIE _{Lab}	51.69, 3.89, 43.76
CIE _{LCh}	52, 43.934, 84.926
Yxy	19.8671, 0.4386, 0.4435
Android (android.graphics.Color)	4288050989 (0xFF96772D)
YUV	119.8330, -36.8927, 26.4565
Hunter-Lab	44.5725, 0.6810, 24.1754

Details

The Yxy color **19.8671, 0.4386, 0.4435** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.9272, 0.1951, 0.1687**, and the grayscale version is **18.8366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2174, 0.4132, 0.4216**, and **6.9933, 0.4703, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **18.7429, 0.4554, 0.4518**, and if you desaturate by 10%, it is **21.0834, 0.4200, 0.4314**.

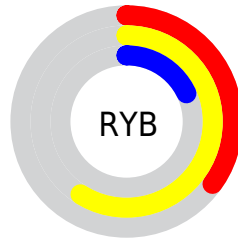
Distribution



Red (59%)

Green (47%)

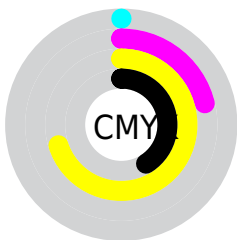
Blue (18%)



Red (35%)

Yellow (59%)

Blue (18%)

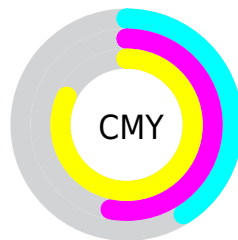


Cyan (0%)

Magenta (21%)

Yellow (70%)

Black (41%)



Cyan (41%)

Magenta (53%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8671, 0.4386, 0.4435 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 19.8671, 0.4386, 0.4435 by changing the saturation by 10% instead.


 19.8671, 0.4386,
0.4435


 19.8671, 0.4386,
0.4435


251.1947, 0.3704,
0.3831


 12.2985, 0.4553,
0.4573


 43.1943, 0.4134,
0.4218


 6.9473, 0.4754,
0.4729


 59.7216, 0.4040,
0.4135


 3.4292, 0.5050,
0.4950

 80.0039, 0.3960,
0.4064

 1.3597, 0.5113,
0.4887

 104.4257, 0.3893,
0.4003

 0.1867, 0.5932,
0.4068

 133.3712, 0.3836,
0.3951

 0.0000, 0.0000,
0.0000

 167.2250, 0.3786,

0.3906

206.3714, 0.3743,
0.3866

■ 19.8671, 0.4386,
0.4435

■ 19.8671, 0.4386,
0.4435

■ 18.7429, 0.4554,
0.4518

■ 21.0834, 0.4200,
0.4314

■ 17.7026, 0.4697,
0.4555

■ 22.3935, 0.4006,
0.4164

■ 16.7349, 0.4819,
0.4556

■ 23.8023, 0.3812,
0.3995

■ 25.3137, 0.3623,
0.3816

■ 26.9312, 0.3445,
0.3636

■ 28.6579, 0.3279,
0.3459

■ 30.4970, 0.3127,
0.3290

■ 32.4513, 0.2990,
0.3130

■ 34.5236, 0.2866,
0.2981

Harmonies

Analogous

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



19.8671, 0.4726, 0.3876



19.8671, 0.4386, 0.4435



19.8671, 0.3732, 0.4781

Triad

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



19.8671, 0.4386, 0.4435



19.8671, 0.1851, 0.3025



19.8671, 0.3128, 0.2322

Complementary

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



19.8671, 0.4386, 0.4435



7.9272, 0.1951, 0.1687

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.



19.8671, 0.2396, 0.2096



19.8671, 0.4386, 0.4435



19.8671, 0.1741, 0.2403

Square

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



19.8671, 0.4386, 0.4435



19.8671, 0.2274, 0.3895



19.8671, 0.1925, 0.2108



19.8671, 0.3964, 0.2742

Rectangle

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



19.8671, 0.4386, 0.4435



19.8671, 0.3218, 0.4744



19.8671, 0.1925, 0.2108



19.8671, 0.2861, 0.2223

Sweetspot

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



19.8681, 0.4386, 0.4435



47.1152, 0.3469, 0.3661



8.8891, 0.4697, 0.2814



10.2828, 0.3512, 0.3706



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.



19.8681, 0.4386, 0.4435



32.0229, 0.4639, 0.4545



26.6677, 0.3808, 0.4970



6.4585, 0.3266, 0.3445



13.9377, 0.4813, 0.4560



0.2219, 0.4476, 0.4828

Inverse Universe

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



7.9272, 0.1951, 0.1687



9.7777, 0.1745, 0.1304



5.2368, 0.2005, 0.1209



5.8954, 0.2989, 0.3130



3.3876, 0.1618, 0.1025



0.0877, 0.1840, 0.1822

Previews

White Background



This preview shows how the Yxy color 19.8671, 0.4386, 0.4435 looks on a white 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

Black Background



This preview shows how the Yxy color 19.8671, 0.4386, 0.4435 looks on a black 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

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

Yxy 19.8671, 0.4386, 0.4435

Background



This preview shows how black text looks on a background with the Yxy color 19.8671, 0.4386, 0.4435.



This preview shows how white text looks on a background with the Yxy color 19.8671, 0.4386, 0.4435.

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

19.8671, 0.4386, 0.4435

Protanopia

20.0158, 0.4162, 0.4582

Deuteranopia

19.7899, 0.4454, 0.4367



Tritanopia

19.6935, 0.3605, 0.3143

Trichromacy



Original Color

19.8671, 0.4386, 0.4435

Protanomaly

19.8671, 0.4237, 0.4524

Deuteranomaly

19.9264, 0.4429, 0.4389

Tritanomaly

19.5972, 0.3931, 0.3646

Monochromacy



Original Color

19.8671, 0.4386, 0.4435

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.0485, 0.3597, 0.3796

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8671, 0.4386, 0.4435 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, 119, 45)` looks like.

```
.text, #text, p{  
    color:rgb(150, 119, 45)  
}
```

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, 119, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 119, 45) }
```

Border

The CSS property to change the border of an element to Yxy 19.8671, 0.4386, 0.4435 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, 119, 45) }
```

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

```
.border{ border-color:rgb(150, 119, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 119, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 119, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 119, 45);  
box-shadow:4px 4px 4px 4px rgb(150, 119,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8671, 0.4386, 0.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 119, 45) }
```

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

```
.background{ background-color: rgb(150,  
119, 45) }
```

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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