

Converting Colors

$Y_{xy}(10.8300, 0.4659, 0.3796)$

Have a look what the booklet for
Yxy(10.8300, 0.4659, 0.3796)
contains.

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Color

Yxy(10.8300, 0.4659, 0.3796)

Conversions

Conversions Part 1

Format	Color
Hex	874E32
RGB	135, 78, 50
RGB Percent	53%, 31%, 20%
CMY	0.4706, 0.6941, 0.8039
CMYK	0.00, 0.42, 0.63, 0.47
HSL	20°, 46%, 36%
HSV	20°, 63%, 53%
XYZ	13.2921, 10.8300, 4.4079
YIQ	91.8510, 42.9600, 3.3760

Conversions

Conversions Part 2

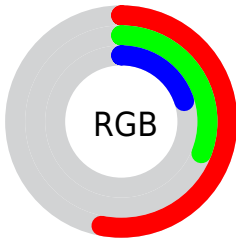
Format	Color
R_{YB}	135, 92, 50
Decimal	8867378
CIE _{Lab}	39.29, 21.20, 26.66
CIE _{LCh}	39, 34.061, 51.507
Yxy	10.8300, 0.4659, 0.3796
Android (android.graphics.Color)	4287057458 (0xFF874E32)
YUV	91.8510, -20.6325, 37.8417
Hunter-Lab	32.9090, 14.5066, 15.0949

Details

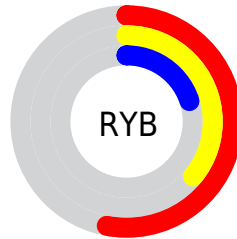
The Yxy color **10.8300, 0.4659, 0.3796** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.9438, 0.2246, 0.2656**, and the grayscale version is **10.7078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.3778, 0.4257, 0.3716**, and **2.7911, 0.5484, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **9.5316, 0.5004, 0.3833**, and if you desaturate by 10%, it is **12.3411, 0.4330, 0.3733**.

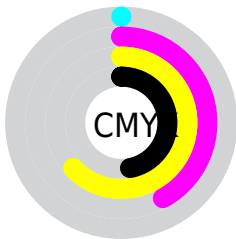
Distribution



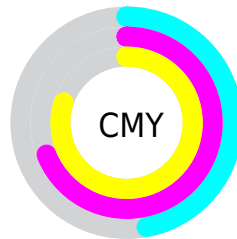
- Red (53%)
- Green (31%)
- Blue (20%)



- Red (53%)
- Yellow (36%)
- Blue (20%)



- Cyan (0%)
- Magenta (42%)
- Yellow (63%)
- Black (47%)





- Cyan (47%)
- Magenta (69%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.8300, 0.4659, 0.3796 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 10.8300, 0.4659, 0.3796 by changing the saturation by 10% instead.


 10.8300, 0.4659,
0.3796


 10.8300, 0.4659,
0.3796


196.4975, 0.3715,
0.3537


 5.9526, 0.4969,
0.3837

 27.3454, 0.4263,
0.3710


 2.8163, 0.5471,
0.3891

 39.7522, 0.4131,
0.3674


 1.0366, 0.6183,
0.3817

 55.4376, 0.4026,
0.3642

 0.0000, 1.0000,
0.0000

 74.7860, 0.3940,
0.3615

 0.0000, 0.0000,
0.0000

 98.1818, 0.3870,
0.3592

 126.0094, 0.3810,

0.3571

158.6532, 0.3759,
0.3553

■ 10.8300, 0.4659,
0.3796

■ 10.8300, 0.4659,
0.3796

■ 9.5316, 0.5004,
0.3833

■ 12.3411, 0.4330,
0.3733

■ 8.4338, 0.5342,
0.3832

■ 14.0726, 0.4031,
0.3654

■ 7.5258, 0.5644,
0.3785

■ 16.0342, 0.3766,
0.3567

■ 6.9876, 0.5843,
0.3742

■ 18.2340, 0.3536,
0.3479

■ 20.6801, 0.3340,
0.3394

■ 23.3800, 0.3172,
0.3313

■ 26.3409, 0.3029,
0.3238

■ 29.5697, 0.2908,
0.3168

■ 33.0731, 0.2804,
0.3104

Harmonies

Analogous

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



10.8300, 0.4463, 0.3229



10.8300, 0.4659, 0.3796



10.8300, 0.4388, 0.4336

Triad

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



10.8300, 0.4659, 0.3796



10.8300, 0.2381, 0.3957



10.8300, 0.2365, 0.2135

Complementary

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



10.8300, 0.4659, 0.3796



12.9438, 0.2246, 0.2656

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.



10.8300, 0.1942, 0.2178



10.8300, 0.4659, 0.3796



10.8300, 0.1939, 0.3130

Square

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



10.8300, 0.4659, 0.3796



10.8300, 0.3057, 0.4592



10.8300, 0.1797, 0.2500



10.8300, 0.3042, 0.2328

Rectangle

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



10.8300, 0.4659, 0.3796



10.8300, 0.4015, 0.4608



10.8300, 0.1797, 0.2500



10.8300, 0.2194, 0.2121

Sweetspot

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



10.8306, 0.4659, 0.3796



34.1497, 0.3463, 0.3449



8.5172, 0.3693, 0.2272



7.6606, 0.3515, 0.3470



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.



10.8306, 0.4659, 0.3796



16.0928, 0.5166, 0.3838



18.6750, 0.4138, 0.4489



4.9208, 0.3272, 0.3362



6.4658, 0.5837, 0.3747



0.0347, 0.5113, 0.4322

Inverse Universe

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



12.9438, 0.2246, 0.2656



20.1057, 0.2099, 0.2477



6.2760, 0.2024, 0.1668



5.0272, 0.2992, 0.3217



8.4638, 0.1947, 0.2210



0.0427, 0.2099, 0.2756

Previews

White Background



This preview shows how the Yxy color 10.8300, 0.4659, 0.3796 looks on a white background.

Color Contrast Check

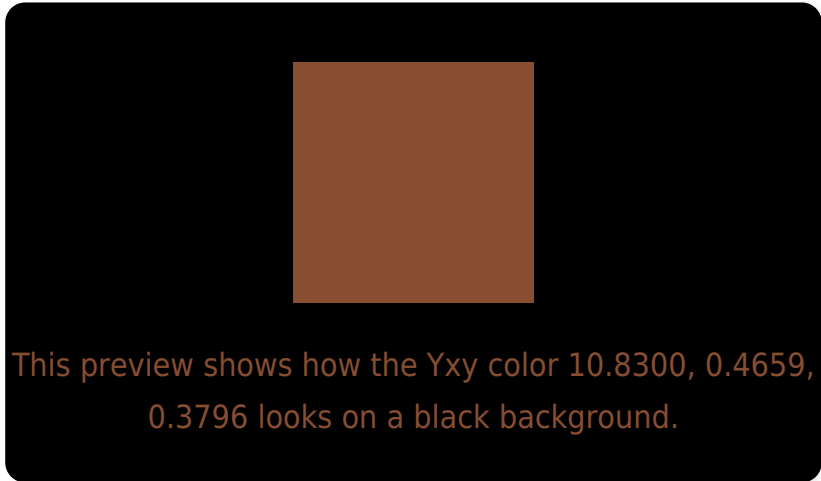
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 10.8300, 0.4659, 0.3796

Background



This preview shows how black text looks on a background with the Yxy color 10.8300, 0.4659, 0.3796.



This preview shows how white text looks on a background with the Yxy color 10.8300, 0.4659, 0.3796.

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

10.8300, 0.4659, 0.3796

Protanopia

10.9293, 0.3848, 0.4171

Deuteranopia

10.9356, 0.4199, 0.4157



Tritanopia

10.7951, 0.4189, 0.3181

Trichromacy



Original Color

10.8300, 0.4659, 0.3796

Protanomaly

10.8139, 0.4138, 0.4041

Deuteranomaly

10.8563, 0.4371, 0.4012

Tritanomaly

10.6961, 0.4376, 0.3405

Monochromacy



Original Color

10.8300, 0.4659, 0.3796

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.5404, 0.3650, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.8300, 0.4659, 0.3796 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(135, 78, 50)` looks like.

```
.text, #text, p{  
    color:rgb(135, 78, 50)  
}
```

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(135, 78, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 78, 50) }
```

Border

The CSS property to change the border of an element to Yxy 10.8300, 0.4659, 0.3796 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(135, 78, 50) }
```

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

```
.border{ border-color:rgb(135, 78, 50) }
```

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

Here you see how a box with a 4 pixel rgb(135, 78, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 78, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 78, 50);  
box-shadow:4px 4px 4px 4px rgb(135, 78,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 10.8300, 0.4659, 0.3796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 78, 50) }
```

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

```
.background{ background-color: rgb(135, 78,  
50) }
```

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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