

Converting Colors

$Y_{xy}(20.8016, 0.4461, 0.3773)$

Have a look what the booklet for
Yxy(20.8016, 0.4461, 0.3773)
contains.

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Color

Yxy(20.8016, 0.4461, 0.3773)

Conversions

Conversions Part 1

Format	Color
Hex	AF6E4D
RGB	175, 110, 77
RGB Percent	69%, 43%, 30%
CMY	0.3137, 0.5686, 0.6981
CMYK	0.00, 0.37, 0.56, 0.31
HSL	20°, 39%, 49%
HSV	20°, 56%, 69%
XYZ	24.5947, 20.8016, 9.7364
YIQ	125.6730, 49.3330, 3.5170

Conversions

Conversions Part 2

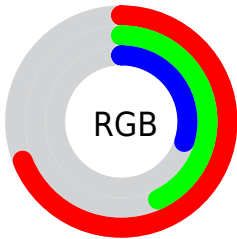
Format	Color
R _Y B	175, 127, 77
Decimal	11497037
CIE Lab	52.73, 22.36, 29.07
CIE LCh	53, 36.674, 52.429
Yxy	20.8016, 0.4461, 0.3773
Android (android.graphics.Color)	4289687117 (0xFFAF6E4D)
YUV	125.6730, -23.9958, 43.2598
Hunter-Lab	45.6088, 16.4416, 19.2691

Details

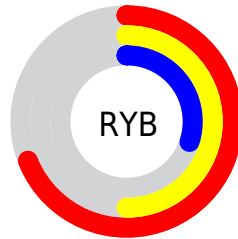
The Yxy color **20.8016, 0.4461, 0.3773** is a dark color, and the websafe version is hex **996633**, and the color name is **brown sugar**. A complement of this color would be **24.0127, 0.2310, 0.2710**, and the grayscale version is **20.8177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6966, 0.4158, 0.3691**, and **7.4715, 0.4953, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **18.2454, 0.4803, 0.3829**, and if you desaturate by 10%, it is **23.7544, 0.4144, 0.3696**.

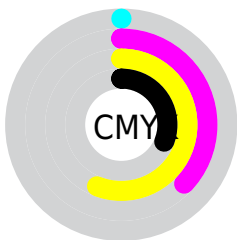
Distribution



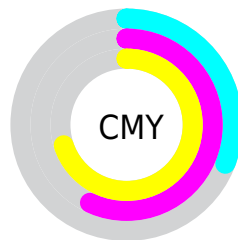
- Red (69%)
- Green (43%)
- Blue (30%)



- Red (69%)
- Yellow (50%)
- Blue (30%)



- Cyan (0%)
- Magenta (37%)
- Yellow (56%)
- Black (31%)





- Cyan (31%)
- Magenta (57%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8016, 0.4461, 0.3773 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 20.8016, 0.4461, 0.3773 by changing the saturation by 10% instead.


 20.8016, 0.4461,
0.3773


 20.8016, 0.4461,
0.3773


256.2222, 0.3706,
0.3541


 12.9791, 0.4677,
0.3817


 44.7571, 0.4166,
0.3696

 7.4141, 0.4967,
0.3858


 61.6589, 0.4061,
0.3664


 3.7224, 0.5380,
0.3882

 82.3558, 0.3975,
0.3636

 1.5195, 0.6100,
0.3900

 107.2323, 0.3903,
0.3612

 0.3024, 0.7337,
0.2663

 136.6729, 0.3843,
0.3591

 0.0000, 0.0000,
0.0000

171.0617, 0.3791,

0.3572

210.7834, 0.3746,
0.3556

■ 20.8016, 0.4461,
0.3773

■ 20.8016, 0.4461,
0.3773

■ 18.2454, 0.4803,
0.3829

■ 23.7544, 0.4144,
0.3696

■ 16.0646, 0.5152,
0.3851

■ 27.1174, 0.3861,
0.3608

■ 14.2403, 0.5480,
0.3830

■ 30.9075, 0.3614,
0.3516

■ 12.7498, 0.5759,
0.3760

■ 35.1395, 0.3403,
0.3425

■ 12.2378, 0.5861,
0.3728

■ 39.8277, 0.3222,
0.3339

■ 44.9853, 0.3069,
0.3259

■ 50.6255, 0.2939,
0.3184

■ 56.7605, 0.2828,
0.3116

■ 63.4022, 0.2734,
0.3054

Harmonies

Analogous

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



20.8016, 0.4296, 0.3265



20.8016, 0.4461, 0.3773



20.8016, 0.4227, 0.4236

Triad

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



20.8016, 0.4461, 0.3773



20.8016, 0.2466, 0.3842



20.8016, 0.2477, 0.2269

Complementary

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



20.8016, 0.4461, 0.3773



24.0127, 0.2310, 0.2710

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.



20.8016, 0.2087, 0.2307



20.8016, 0.4461, 0.3773



20.8016, 0.2075, 0.3143

Square

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



20.8016, 0.4461, 0.3773



20.8016, 0.3060, 0.4388



20.8016, 0.1949, 0.2595



20.8016, 0.3079, 0.2447

Rectangle

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



20.8016, 0.4461, 0.3773



20.8016, 0.3902, 0.4452



20.8016, 0.1949, 0.2595



20.8016, 0.2320, 0.2256

Sweetspot

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



20.8026, 0.4461, 0.3773



61.9137, 0.3428, 0.3437



16.3825, 0.3649, 0.2368



13.4219, 0.3467, 0.3454



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



20.8026, 0.4461, 0.3773



31.7815, 0.4878, 0.3837



34.3316, 0.4037, 0.4419



8.4399, 0.3278, 0.3367



8.8670, 0.5841, 0.3744



0.3494, 0.5255, 0.4210

Inverse Universe

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



24.0127, 0.2310, 0.2710



37.9775, 0.2170, 0.2558



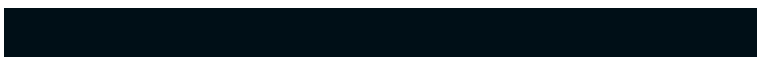
12.5571, 0.2121, 0.1807



8.6106, 0.2986, 0.3212



11.2859, 0.1936, 0.2168



0.4095, 0.2041, 0.2548

Previews

White Background



This preview shows how the Yxy color 20.8016, 0.4461, 0.3773 looks on a white background.

Color Contrast Check

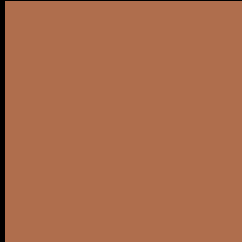
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8016, 0.4461, 0.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

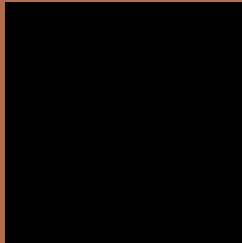
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8016, 0.4461, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 20.8016, 0.4461, 0.3773.



This preview shows how white text looks on a background with the Yxy color 20.8016, 0.4461, 0.3773.

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

20.8016, 0.4461, 0.3773

Protanopia

20.8646, 0.3763, 0.4060

Deuteranopia

20.9550, 0.4103, 0.4047



Tritanopia

20.7604, 0.4036, 0.3175

Trichromacy



Original Color

20.8016, 0.4461, 0.3773

Protanomaly

20.6063, 0.4014, 0.3945

Deuteranomaly

20.8214, 0.4231, 0.3939

Tritanomaly

20.7826, 0.4199, 0.3397

Monochromacy



Original Color

20.8016, 0.4461, 0.3773

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4449, 0.3583, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8016, 0.4461, 0.3773 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(175, 110, 77)` looks like.

```
.text, #text, p{  
    color:rgb(175, 110, 77)  
}
```

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(175, 110, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 110, 77) }
```

Border

The CSS property to change the border of an element to Yxy 20.8016, 0.4461, 0.3773 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(175, 110, 77) }
```

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

```
.border{ border-color:rgb(175, 110, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 110, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 110, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 110, 77);  
box-shadow:4px 4px 4px 4px rgb(175, 110,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8016, 0.4461, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 110, 77) }
```

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

```
.background{ background-color: rgb(175,  
110, 77) }
```

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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