

Converting Colors

$Y_{xy}(20.1700, 0.4425, 0.3813)$

Have a look what the booklet for
Yxy(20.1700, 0.4425, 0.3813)
contains.

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Color

Yxy(20.2059, 0.4424, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	AA6E4B
RGB	170, 110, 75
RGB Percent	67%, 43%, 29%
CMY	0.3333, 0.5686, 0.7059
CMYK	0.00, 0.35, 0.56, 0.33
HSL	22°, 39%, 48%
HSV	22°, 56%, 67%
XYZ	23.4253, 20.2059, 9.3193
YIQ	123.9500, 46.9950, 1.8350

Conversions

Conversions Part 2

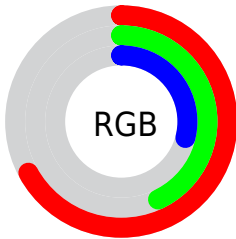
Format	Color
RYB	170, 130, 75
Decimal	11169355
CIELab	52.07, 20.08, 29.22
CIElCh	52, 35.458, 55.498
Yxy	20.2059, 0.4424, 0.3816
Android (android.graphics.Color)	4289359435 (0xFFAA6E4B)
YUV	123.9500, -24.1323, 40.3859
Hunter-Lab	44.9510, 14.3575, 19.1736

Details

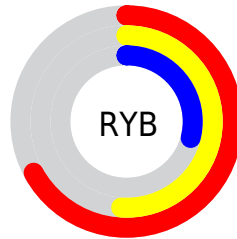
The Yxy color **20.2059, 0.4424, 0.3816** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.7262, 0.2301, 0.2656**, and the grayscale version is **20.2088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7899, 0.4139, 0.3733**, and **7.1164, 0.4903, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **17.8262, 0.4751, 0.3880**, and if you desaturate by 10%, it is **22.9306, 0.4119, 0.3731**.

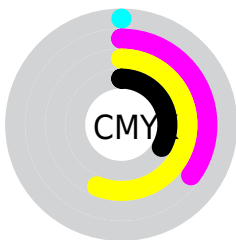
Distribution



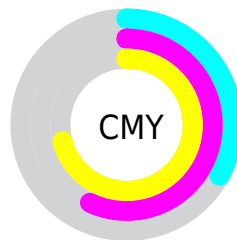
- Red (67%)
- Green (43%)
- Blue (29%)



- Red (67%)
- Yellow (51%)
- Blue (29%)



- Cyan (0%)
- Magenta (35%)
- Yellow (56%)
- Black (33%)





- Cyan (33%)
- Magenta (57%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2059, 0.4424, 0.3816 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 20.2059, 0.4424, 0.3816 by changing the saturation by 10% instead.


 20.2059, 0.4424,
0.3816


 20.2059, 0.4424,
0.3816


253.0276, 0.3688,
0.3556

 12.5448, 0.4635,
0.3869


 43.7621, 0.4135,
0.3727

 7.1159, 0.4920,
0.3922


 60.4260, 0.4033,
0.3692


 3.5347, 0.5336,
0.3970

 80.8597, 0.3949,
0.3661

 1.4168, 0.6011,
0.3989

 105.4474, 0.3880,
0.3634

 0.2291, 0.7556,
0.2444

 134.5737, 0.3821,
0.3611

 0.0000, 0.0000,
0.0000

168.6229, 0.3770,

0.3591

207.9794, 0.3726,
0.3572

■ 20.2059, 0.4424,
0.3816

■ 20.2059, 0.4424,
0.3816

■ 17.8262, 0.4751,
0.3880

■ 22.9306, 0.4119,
0.3731

■ 15.7733, 0.5084,
0.3909

■ 26.0114, 0.3845,
0.3635

■ 14.0320, 0.5399,
0.3894

■ 29.4623, 0.3605,
0.3535

■ 12.5831, 0.5669,
0.3829

■ 33.2957, 0.3398,
0.3436

■ 12.0630, 0.5773,
0.3798

■ 37.5235, 0.3220,
0.3343

■ 42.1570, 0.3068,
0.3255

■ 47.2069, 0.2938,
0.3174

■ 52.6836, 0.2827,
0.3099

■ 58.5971, 0.2732,
0.3031

Harmonies

Analogous

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



20.2059, 0.4303, 0.3318



20.2059, 0.4424, 0.3816



20.2059, 0.4162, 0.4257

Triad

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



20.2059, 0.4424, 0.3816



20.2059, 0.2431, 0.3760



20.2059, 0.2543, 0.2298

Complementary

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



20.2059, 0.4424, 0.3816



21.7262, 0.2301, 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.



20.2059, 0.2137, 0.2314



20.2059, 0.4424, 0.3816



20.2059, 0.2072, 0.3083

Square

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



20.2059, 0.4424, 0.3816



20.2059, 0.2999, 0.4322



20.2059, 0.1975, 0.2571



20.2059, 0.3149, 0.2492

Rectangle

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



20.2059, 0.4424, 0.3816



20.2059, 0.3830, 0.4446



20.2059, 0.1975, 0.2571



20.2059, 0.2382, 0.2278

Sweetspot

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



20.2069, 0.4424, 0.3816



59.3748, 0.3425, 0.3450



15.3318, 0.3697, 0.2414



12.9326, 0.3464, 0.3469



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



20.2069, 0.4424, 0.3816



31.4220, 0.4829, 0.3890



33.2856, 0.4009, 0.4453



7.9781, 0.3277, 0.3374



8.9711, 0.5754, 0.3813



0.3161, 0.5143, 0.4298

Inverse Universe

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



21.7262, 0.2301, 0.2656



34.3588, 0.2154, 0.2486



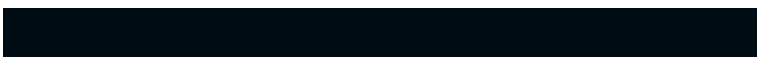
11.3212, 0.2113, 0.1757



8.0603, 0.2987, 0.3205



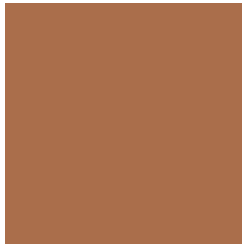
10.0352, 0.1905, 0.2059



0.3368, 0.2031, 0.2513

Previews

White Background



This preview shows how the Yxy color 20.2059, 0.4424, 0.3816 looks on a white background.

Color Contrast Check

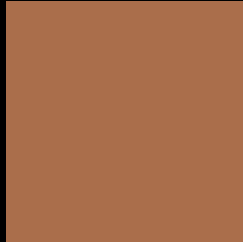
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2059, 0.4424, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

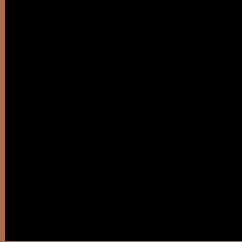
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2059, 0.4424, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 20.2059, 0.4424, 0.3816.



This preview shows how white text looks on a background with the Yxy color 20.2059, 0.4424, 0.3816.

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

20.2059, 0.4424, 0.3816

Protanopia

20.4122, 0.3765, 0.4086

Deuteranopia

20.2540, 0.4117, 0.4055



Tritanopia

20.1796, 0.3971, 0.3171

Trichromacy



Original Color

20.2059, 0.4424, 0.3816

Protanomaly

20.2934, 0.3998, 0.3989

Deuteranomaly

20.2543, 0.4225, 0.3965

Tritanomaly

20.1869, 0.4148, 0.3415

Monochromacy



Original Color

20.2059, 0.4424, 0.3816

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.8970, 0.3573, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2059, 0.4424, 0.3816 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(170, 110, 75)` looks like.

```
.text, #text, p{  
    color:rgb(170, 110, 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(170, 110, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 110, 75) }
```

Border

The CSS property to change the border of an element to Yxy 20.2059, 0.4424, 0.3816 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(170, 110, 75) }
```

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

```
.border{ border-color:rgb(170, 110, 75) }
```

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

Here you see how a box with a 4 pixel rgb(170, 110, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 110, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 110, 75);  
box-shadow:4px 4px 4px 4px rgb(170, 110,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2059, 0.4424, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 110, 75) }
```

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

```
.background{ background-color: rgb(170,  
110, 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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