

Converting Colors

$Y_{xy}(20.0545, 0.4825, 0.3891)$

Have a look what the booklet for
Yxy(20.0545, 0.4825, 0.3891)
contains.

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Color

Yxy(20.0299, 0.4823, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	B5683A
RGB	181, 104, 58
RGB Percent	71%, 41%, 23%
CMY	0.2902, 0.5921, 0.7727
CMYK	0.00, 0.43, 0.68, 0.29
HSL	22°, 51%, 47%
HSV	22°, 68%, 71%
XYZ	24.7703, 20.0299, 6.5585
YIQ	121.7790, 60.6580, 2.0180

Conversions

Conversions Part 2

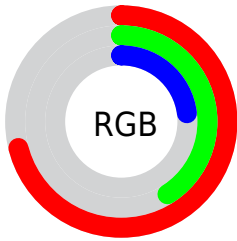
Format	Color
RYB	181, 131, 58
Decimal	11888698
CIELab	51.87, 26.83, 38.62
CIElCh	52, 47.023, 55.214
Yxy	20.0299, 0.4823, 0.3900
Android (android.graphics.Color)	4290078778 (0xFFB5683A)
YUV	121.7790, -31.4430, 51.9368
Hunter-Lab	44.7548, 20.4731, 22.6398

Details

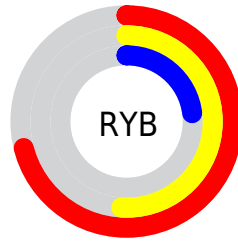
The Yxy color **20.0299, 0.4823, 0.3900** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.5528, 0.2150, 0.2472**, and the grayscale version is **19.4755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5392, 0.4458, 0.3819**, and **7.0635, 0.5394, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **17.7487, 0.5153, 0.3921**, and if you desaturate by 10%, it is **22.6843, 0.4494, 0.3842**.

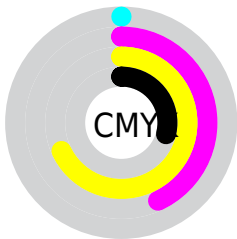
Distribution



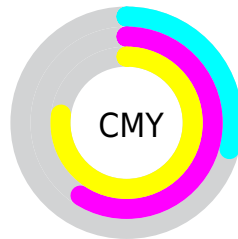
- Red (71%)
- Green (41%)
- Blue (23%)



- Red (71%)
- Yellow (51%)
- Blue (23%)



- Cyan (0%)
- Magenta (43%)
- Yellow (68%)
- Black (29%)





- Cyan (29%)
- Magenta (59%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0299, 0.4823, 0.3900 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 20.0299, 0.4823, 0.3900 by changing the saturation by 10% instead.


 20.0299, 0.4823,
0.3900

 20.0299, 0.4823,
0.3900


252.0769, 0.3874,
0.3629


 12.4168, 0.5080,
0.3934


 43.4673, 0.4459,
0.3820


 7.0282, 0.5409,
0.3944

 60.0604, 0.4327,
0.3784


 3.4797, 0.6001,
0.3999

 80.4156, 0.4218,
0.3751

 1.3870, 0.6350,
0.3650

 104.9173, 0.4127,
0.3721

 0.2071, 0.8044,
0.1956

 133.9498, 0.4049,
0.3694

 0.0000, 0.0000,
0.0000

 167.8977, 0.3982,

0.3670

207.1453, 0.3924,
0.3649

■ 20.0299, 0.4823,
0.3900

■ 20.0299, 0.4823,
0.3900

■ 17.7487, 0.5153,
0.3921

■ 22.6843, 0.4494,
0.3842

■ 15.8183, 0.5458,
0.3894

■ 25.7263, 0.4183,
0.3759

■ 14.2154, 0.5716,
0.3820

■ 29.1733, 0.3902,
0.3662

■ 13.9260, 0.5766,
0.3804

■ 33.0403, 0.3654,
0.3561

■ 37.3419, 0.3440,
0.3460

■ 42.0917, 0.3255,
0.3363

■ 47.3026, 0.3097,
0.3272

■ 52.9871, 0.2962,
0.3188

■ 59.1571, 0.2847,
0.3110

Harmonies

Analogous

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



20.0299, 0.4686, 0.3281



20.0299, 0.4823, 0.3900



20.0299, 0.4448, 0.4497

Triad

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



20.0299, 0.4823, 0.3900



20.0299, 0.2211, 0.3928



20.0299, 0.2357, 0.2033

Complementary

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



20.0299, 0.4823, 0.3900



21.5528, 0.2150, 0.2472

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.



20.0299, 0.1861, 0.2039



20.0299, 0.4823, 0.3900



20.0299, 0.1775, 0.2992

Square

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



20.0299, 0.4823, 0.3900



20.0299, 0.2932, 0.4717



20.0299, 0.1666, 0.2340



20.0299, 0.3133, 0.2272

Rectangle

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



20.0299, 0.4823, 0.3900



20.0299, 0.4006, 0.4796



20.0299, 0.1666, 0.2340



20.0299, 0.2158, 0.2006

Sweetspot

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



20.0309, 0.4823, 0.3900



64.9873, 0.3487, 0.3483



14.6212, 0.3884, 0.2271



13.5800, 0.3546, 0.3511



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.0309, 0.4823, 0.3900



29.8453, 0.5322, 0.3913



36.8955, 0.4178, 0.4643



9.0089, 0.3278, 0.3376



9.7234, 0.5743, 0.3822



0.4202, 0.5216, 0.4240

Inverse Universe

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



21.5528, 0.2150, 0.2472



32.5306, 0.2002, 0.2251



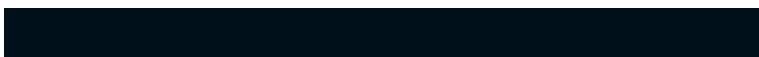
9.1818, 0.1886, 0.1379



9.0864, 0.2986, 0.3203



10.6199, 0.1899, 0.2035



0.4417, 0.2007, 0.2425

Previews

White Background



This preview shows how the Yxy color 20.0299, 0.4823, 0.3900 looks on a white background.

Color Contrast Check

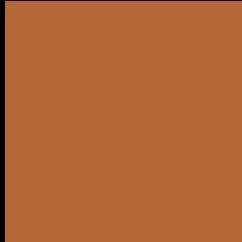
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.0299, 0.4823, 0.3900 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 20.0299, 0.4823, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 20.0299, 0.4823, 0.3900.



This preview shows how white text looks on a background with the Yxy color 20.0299, 0.4823, 0.3900.

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

20.0299, 0.4823, 0.3900

Protanopia

20.1153, 0.3974, 0.4326

Deuteranopia

20.1027, 0.4359, 0.4276



Tritanopia

19.9663, 0.4259, 0.3180

Trichromacy



Original Color

20.0299, 0.4823, 0.3900

Protanomaly

19.8427, 0.4286, 0.4175

Deuteranomaly

19.9883, 0.4534, 0.4133

Tritanomaly

19.9029, 0.4485, 0.3448

Monochromacy



Original Color

20.0299, 0.4823, 0.3900

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.0020, 0.3709, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0299, 0.4823, 0.3900 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(181, 104, 58)` looks like.

```
.text, #text, p{  
    color:rgb(181, 104, 58)  
}
```

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(181, 104, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 104, 58) }
```

Border

The CSS property to change the border of an element to Yxy 20.0299, 0.4823, 0.3900 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(181, 104, 58) }
```

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

```
.border{ border-color:rgb(181, 104, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 104, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 104, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 104, 58);  
box-shadow:4px 4px 4px 4px rgb(181, 104,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0299, 0.4823, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 104, 58) }
```

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

```
.background{ background-color: rgb(181,  
104, 58) }
```

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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