

Converting Colors

$Y_{xy}(20.1770, 0.4154, 0.3904)$

Have a look what the booklet for
Yxy(20.1770, 0.4154, 0.3904)
contains.

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Color

Yxy(20.2089, 0.4163, 0.3908)

Conversions

Conversions Part 1

Format	Color
Hex	9D744E
RGB	157, 116, 78
RGB Percent	62%, 45%, 31%
CMY	0.3843, 0.5451, 0.6941
CMYK	0.00, 0.26, 0.50, 0.38
HSL	29°, 34%, 46%
HSV	29°, 50%, 62%
XYZ	21.5275, 20.2089, 9.9752
YIQ	123.9270, 36.6340, -3.1260

Conversions

Conversions Part 2

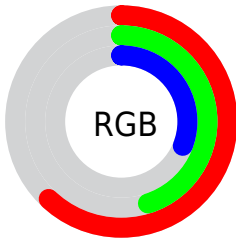
Format	Color
RYB	157, 151, 78
Decimal	10318926
CIELab	52.07, 11.37, 27.21
CIElCh	52, 29.484, 67.327
Yxy	20.2089, 0.4163, 0.3908
Android (android.graphics.Color)	4288509006 (0xFF9D744E)
YUV	123.9270, -22.6420, 29.0050
Hunter-Lab	44.9543, 6.8093, 18.3118

Details

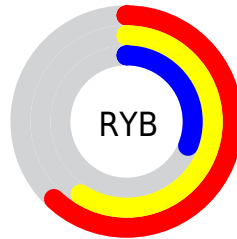
The Yxy color **20.2089, 0.4163, 0.3908** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.2548, 0.2346, 0.2557**, and the grayscale version is **20.1990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7099, 0.3925, 0.3784**, and **7.1221, 0.4561, 0.4101** is the 20% darker color. If you saturate the color by 10%, you get **18.2133, 0.4434, 0.4012**, and if you desaturate by 10%, it is **22.4252, 0.3909, 0.3788**.

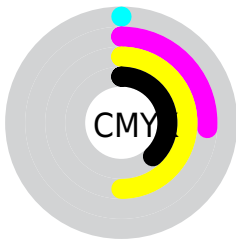
Distribution



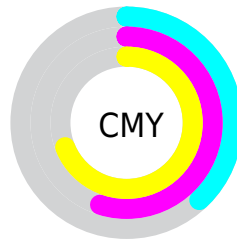
- Red (62%)
- Green (45%)
- Blue (31%)



- Red (62%)
- Yellow (59%)
- Blue (31%)



- Cyan (0%)
- Magenta (26%)
- Yellow (50%)
- Black (38%)




- Cyan (38%)
- Magenta (55%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2089, 0.4163, 0.3908 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 20.2089, 0.4163, 0.3908 by changing the saturation by 10% instead.


 20.2089, 0.4163,
0.3908


 20.2089, 0.4163,
0.3908

253.0438, 0.3576,
0.3580

 12.5470, 0.4332,
0.3990


 43.7671, 0.3933,
0.3787

 7.1174, 0.4562,
0.4089


 60.4323, 0.3851,
0.3742

 3.5356, 0.4889,
0.4208

 80.8672, 0.3784,
0.3704

 1.4173, 0.5544,
0.4456

 105.4565, 0.3729,
0.3672

 0.2294, 0.6835,
0.3165

 134.5843, 0.3682,
0.3644

 0.0000, 0.0000,
0.0000

168.6352, 0.3641,

0.3620

207.9936, 0.3607,
0.3599

■ 20.2089, 0.4163,
0.3908

■ 20.2089, 0.4163,
0.3908

■ 18.2133, 0.4434,
0.4012

■ 22.4252, 0.3909,
0.3788

■ 16.4273, 0.4713,
0.4088

■ 24.8668, 0.3678,
0.3661

■ 14.8432, 0.4985,
0.4124

■ 27.5418, 0.3472,
0.3534

■ 13.4510, 0.5231,
0.4111

■ 30.4570, 0.3291,
0.3411

■ 12.2695, 0.5444,
0.4059

■ 33.6188, 0.3132,
0.3294

■ 37.0335, 0.2993,
0.3184

■ 40.7069, 0.2873,
0.3083

■ 44.6447, 0.2768,
0.2990

■ 48.8526, 0.2677,
0.2905

Harmonies

Analogous

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



20.2089, 0.4185, 0.3496



20.2089, 0.4163, 0.3908



20.2089, 0.3850, 0.4210

Triad

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



20.2089, 0.4163, 0.3908



20.2089, 0.2400, 0.3460



20.2089, 0.2827, 0.2490

Complementary

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



20.2089, 0.4163, 0.3908



17.2548, 0.2346, 0.2557

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.



20.2089, 0.2403, 0.2433



20.2089, 0.4163, 0.3908



20.2089, 0.2173, 0.2936

Square

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



20.2089, 0.4163, 0.3908



20.2089, 0.2826, 0.3981



20.2089, 0.2176, 0.2578



20.2089, 0.3373, 0.2720

Rectangle

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



20.2089, 0.4163, 0.3908



20.2089, 0.3532, 0.4282



20.2089, 0.2176, 0.2578



20.2089, 0.2667, 0.2450

Sweetspot

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



20.2099, 0.4163, 0.3908



51.8849, 0.3378, 0.3471



13.9792, 0.3746, 0.2614



11.1949, 0.3414, 0.3495



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



20.2099, 0.4163, 0.3908



32.3294, 0.4457, 0.4019



30.9571, 0.3864, 0.4446



7.1460, 0.3273, 0.3398



10.0366, 0.5432, 0.4069



0.2638, 0.4845, 0.4535

Inverse Universe

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



17.2548, 0.2346, 0.2557



26.4312, 0.2189, 0.2363



9.8867, 0.2200, 0.1791



6.9763, 0.2988, 0.3180



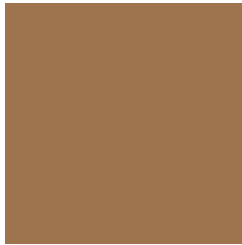
6.8931, 0.1799, 0.1675



0.2078, 0.1992, 0.2371

Previews

White Background



This preview shows how the Yxy color 20.2089, 0.4163, 0.3908 looks on a white background.

Color Contrast Check

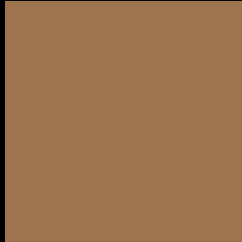
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2089, 0.4163, 0.3908 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 20.2089, 0.4163, 0.3908

Background



This preview shows how black text looks on a background with the Yxy color 20.2089, 0.4163, 0.3908.



This preview shows how white text looks on a background with the Yxy color 20.2089, 0.4163, 0.3908.

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

20.2089, 0.4163, 0.3908

Protanopia

20.1603, 0.3772, 0.4070

Deuteranopia

20.2135, 0.4057, 0.3997



Tritanopia

20.2779, 0.3699, 0.3163

Trichromacy



Original Color

20.2089, 0.4163, 0.3908

Protanomaly

20.0936, 0.3912, 0.4007

Deuteranomaly

20.2650, 0.4105, 0.3970

Tritanomaly

20.2833, 0.3882, 0.3438

Monochromacy



Original Color

20.2089, 0.4163, 0.3908

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9705, 0.3487, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2089, 0.4163, 0.3908 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(157, 116, 78)` looks like.

```
.text, #text, p{  
    color:rgb(157, 116, 78)  
}
```

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(157, 116, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 116, 78) }
```

Border

The CSS property to change the border of an element to Yxy 20.2089, 0.4163, 0.3908 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(157, 116, 78) }
```

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

```
.border{ border-color:rgb(157, 116, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 116, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 116, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 116, 78);  
box-shadow:4px 4px 4px 4px rgb(157, 116,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2089, 0.4163, 0.3908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 116, 78) }
```

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

```
.background{ background-color: rgb(157,  
116, 78) }
```

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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