

Converting Colors

$Y_{xy}(21.9029, 0.4183, 0.4099)$

Have a look what the booklet for
Yxy(21.9029, 0.4183, 0.4099)
contains.

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Color

Yxy(21.9029, 0.4183, 0.4099)

Conversions

Conversions Part 1

Format	Color
Hex	9E7B48
RGB	158, 123, 72
RGB Percent	62%, 48%, 28%
CMY	0.3804, 0.5176, 0.7177
CMYK	0.00, 0.22, 0.54, 0.38
HSL	36°, 37%, 45%
HSV	36°, 54%, 62%
XYZ	22.3518, 21.9029, 9.1801
YIQ	127.6510, 37.2310, -8.4410

Conversions

Conversions Part 2

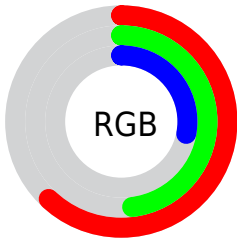
Format	Color
RYB	131, 158, 72
Decimal	10386248
CIELab	53.92, 7.23, 32.86
CIElCh	54, 33.645, 77.597
Yxy	21.9029, 0.4183, 0.4099
Android (android.graphics.Color)	4288576328 (0xFF9E7B48)
YUV	127.6510, -27.4359, 26.6161
Hunter-Lab	46.8005, 3.3500, 21.1304

Details

The Yxy color **21.9029, 0.4183, 0.4099** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.3574, 0.2244, 0.2285**, and the grayscale version is **21.5466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5122, 0.3962, 0.3932**, and **7.9152, 0.4554, 0.4319** is the 20% darker color. If you saturate the color by 10%, you get **20.1808, 0.4415, 0.4217**, and if you desaturate by 10%, it is **23.7848, 0.3955, 0.3959**.

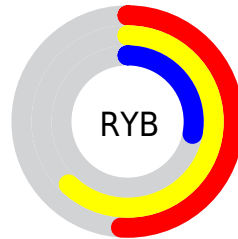
Distribution



Red (62%)

Green (48%)

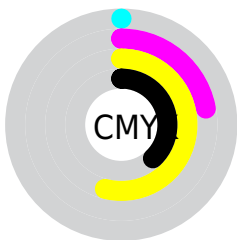
Blue (28%)



Red (51%)

Yellow (62%)

Blue (28%)

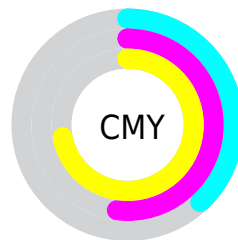


Cyan (0%)

Magenta (22%)

Yellow (54%)

Black (38%)



Cyan (38%)


Magenta (52%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9029, 0.4183, 0.4099 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 21.9029, 0.4183, 0.4099 by changing the saturation by 10% instead.


 21.9029, 0.4183,
0.4099


 21.9029, 0.4183,
0.4099


262.0388, 0.3599,
0.3670


 13.7856, 0.4342,
0.4206


 46.5855, 0.3959,
0.3941

 7.9717, 0.4550,
0.4335


 63.9195, 0.3878,
0.3882

 4.0768, 0.4846,
0.4506

 85.0945, 0.3811,
0.3832

 1.7166, 0.5282,
0.4718

 110.4950, 0.3755,
0.3790

 0.4344, 0.5757,
0.4243

 140.5052, 0.3707,
0.3753

 0.0000, 0.0000,
0.0000

175.5097, 0.3666,

0.3722

215.8927, 0.3630,
0.3694

■ 21.9029, 0.4183,
0.4099

■ 21.9029, 0.4183,
0.4099

■ 20.1808, 0.4415,
0.4217

■ 23.7848, 0.3955,
0.3959

■ 18.6092, 0.4641,
0.4301

■ 25.8291, 0.3739,
0.3808

■ 17.1823, 0.4849,
0.4341

■ 28.0419, 0.3539,
0.3653

■ 15.8923, 0.5028,
0.4332

■ 30.4283, 0.3357,
0.3500

■ 15.2235, 0.5123,
0.4314

■ 32.9930, 0.3194,
0.3353

■ 35.7404, 0.3048,
0.3214

■ 38.6747, 0.2919,
0.3084

■ 41.8002, 0.2805,
0.2965

■ 45.1208, 0.2705,
0.2854

Harmonies

Analogous

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



21.9029, 0.4334, 0.3668



21.9029, 0.4183, 0.4099



21.9029, 0.3748, 0.4371

Triad

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



21.9029, 0.4183, 0.4099



21.9029, 0.2212, 0.3261



21.9029, 0.2990, 0.2480

Complementary

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



21.9029, 0.4183, 0.4099



14.3574, 0.2244, 0.2285

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.



21.9029, 0.2465, 0.2348



21.9029, 0.4183, 0.4099



21.9029, 0.2052, 0.2731

Square

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



21.9029, 0.4183, 0.4099



21.9029, 0.2609, 0.3881



21.9029, 0.2141, 0.2423



21.9029, 0.3608, 0.2783

Rectangle

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



21.9029, 0.4183, 0.4099



21.9029, 0.3368, 0.4379



21.9029, 0.2141, 0.2423



21.9029, 0.2797, 0.2415

Sweetspot

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



21.9040, 0.4183, 0.4099



54.4240, 0.3390, 0.3528



12.9818, 0.4004, 0.2720



12.0785, 0.3424, 0.3558



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



21.9040, 0.4183, 0.4099



36.1071, 0.4457, 0.4235



31.4807, 0.3817, 0.4600



7.2673, 0.3270, 0.3423



12.2729, 0.5113, 0.4322



0.3011, 0.4666, 0.4677

Inverse Universe

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



14.3574, 0.2244, 0.2285



21.0274, 0.2062, 0.2018



8.7722, 0.2175, 0.1627



6.8562, 0.2988, 0.3154



5.0125, 0.1700, 0.1319



0.1705, 0.1915, 0.2093

Previews

White Background



This preview shows how the Yxy color 21.9029, 0.4183, 0.4099 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 21.9029, 0.4183, 0.4099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

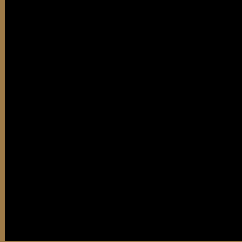
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9029, 0.4183, 0.4099

Background



This preview shows how black text looks on a background with the Yxy color 21.9029, 0.4183, 0.4099.



This preview shows how white text looks on a background with the Yxy color 21.9029, 0.4183, 0.4099.

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

21.9029, 0.4183, 0.4099

Protanopia

21.9457, 0.3905, 0.4234

Deuteranopia

21.9029, 0.4183, 0.4099



Tritanopia

22.0155, 0.3609, 0.3149

Trichromacy



Original Color

21.9029, 0.4183, 0.4099

Protanomaly

21.9557, 0.4009, 0.4190

Deuteranomaly

21.9029, 0.4183, 0.4099

Tritanomaly

21.8113, 0.3836, 0.3501

Monochromacy



Original Color

21.9029, 0.4183, 0.4099

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4934, 0.3496, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9029, 0.4183, 0.4099 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(158, 123, 72)` looks like.

```
.text, #text, p{  
    color:rgb(158, 123, 72)  
}
```

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(158, 123, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 123, 72) }
```

Border

The CSS property to change the border of an element to Yxy 21.9029, 0.4183, 0.4099 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(158, 123, 72) }
```

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

```
.border{ border-color:rgb(158, 123, 72) }
```

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

Here you see how a box with a 4 pixel rgb(158, 123, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 123, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 123, 72);  
box-shadow:4px 4px 4px 4px rgb(158, 123,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9029, 0.4183, 0.4099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 123, 72) }
```

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

```
.background{ background-color: rgb(158,  
123, 72) }
```

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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