

Converting Colors

$Y_{xy}(10.1659, 0.4871, 0.4231)$

Have a look what the booklet for
Yxy(10.1659, 0.4871, 0.4231)
contains.

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Color

Yxy(10.1659, 0.4871, 0.4231)

Conversions

Conversions Part 1	
Format	Color
Hex	7F4F17
RGB	127, 79, 23
RGB Percent	50%, 31%, 9%
CMY	0.5020, 0.6902, 0.9097
CMYK	0.00, 0.38, 0.82, 0.50
HSL	32°, 69%, 29%
HSV	32°, 82%, 50%
XYZ	11.7036, 10.1659, 2.1576
YIQ	86.9680, 46.5840, -7.2400

Conversions

Conversions Part 2

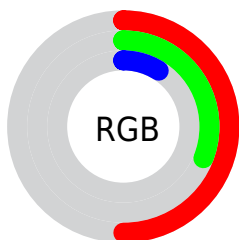
Format	Color
RYB	112, 127, 23
Decimal	8343319
CIELab	38.14, 15.39, 39.22
CIELCh	38, 42.134, 68.569
Yxy	10.1659, 0.4871, 0.4231
Android (android.graphics.Color)	4286533399 (0xFF7F4F17)
YUV	86.9680, -31.5362, 35.1081
Hunter-Lab	31.8840, 9.7248, 18.3066

Details

The Yxy color **10.1659, 0.4871, 0.4231** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.2258, 0.1916, 0.1852**, and the grayscale version is **9.5864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0836, 0.4459, 0.4063**, and **2.5605, 0.5355, 0.4130** is the 20% darker color. If you saturate the color by 10%, you get **9.3181, 0.5086, 0.4231**, and if you desaturate by 10%, it is **11.1138, 0.4632, 0.4184**.

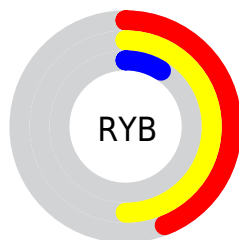
Distribution



Red (50%)

Green (31%)

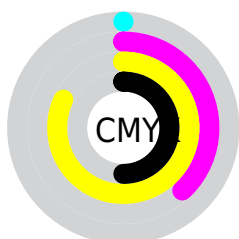
Blue (9%)



Red (44%)

Yellow (50%)

Blue (9%)

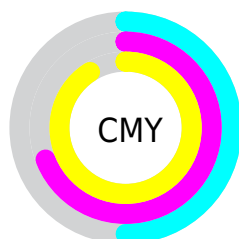


Cyan (0%)

Magenta (38%)

Yellow (82%)

Black (50%)



Cyan (50%)


Magenta (69%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.1659, 0.4871, 0.4231 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 10.1659, 0.4871, 0.4231 by changing the saturation by 10% instead.


 10.1659, 0.4871,
0.4231


 10.1659, 0.4871,
0.4231


191.8521, 0.3826,
0.3741


 5.5091, 0.5178,
0.4313


 26.1071, 0.4455,
0.4070


 2.5489, 0.5616,
0.4384


 38.1602, 0.4307,
0.4001


 0.9011, 0.5898,
0.4102

 53.4476, 0.4188,
0.3941

 0.0000, 1.0000,
0.0000


 72.3537, 0.4090,
0.3889

 0.0000, 0.0000,
0.0000

 95.2627, 0.4007,
0.3844


 122.5592, 0.3938,


0.3805


 154.6275, 0.3878,
0.3771


 10.1659, 0.4871,
0.4231


 10.1659, 0.4871,
0.4231


 9.3181, 0.5086,
0.4231

 11.1138, 0.4632,
0.4184

 8.6911, 0.5253,
0.4211

 12.1651, 0.4384,
0.4098

 13.3248, 0.4138,
0.3985

 14.5970, 0.3903,
0.3855

 15.9853, 0.3686,
0.3717

■ 17.4935, 0.3488,
0.3578

■ 19.1247, 0.3311,
0.3443

■ 20.8822, 0.3154,
0.3313

■ 22.7691, 0.3016,
0.3192

Harmonies

Analogous

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



10.1659, 0.5015, 0.3551



10.1659, 0.4871, 0.4231



10.1659, 0.4250, 0.4853

Triad

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



10.1659, 0.4871, 0.4231



10.1659, 0.1848, 0.3508



10.1659, 0.2615, 0.1998

Complementary

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



10.1659, 0.4871, 0.4231



6.2258, 0.1916, 0.1852

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.



10.1659, 0.1933, 0.1878



10.1659, 0.4871, 0.4231



10.1659, 0.1547, 0.2569

Square

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



10.1659, 0.4871, 0.4231



10.1659, 0.2509, 0.4584



10.1659, 0.1583, 0.2044



10.1659, 0.3576, 0.2361

Rectangle

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



10.1659, 0.4871, 0.4231



10.1659, 0.3690, 0.5091



10.1659, 0.1583, 0.2044



10.1659, 0.2351, 0.1929

Sweetspot

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



10.1664, 0.4871, 0.4231



30.2923, 0.3560, 0.3630



5.5884, 0.4561, 0.2495



6.9055, 0.3618, 0.3671



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



10.1664, 0.4871, 0.4231



15.5278, 0.5245, 0.4196



19.4921, 0.4078, 0.4971



4.6977, 0.3266, 0.3406



8.7620, 0.5254, 0.4211



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.2258, 0.1916, 0.1852



8.2581, 0.1756, 0.1503



2.3727, 0.1680, 0.0871



4.5134, 0.2993, 0.3171



4.6594, 0.1752, 0.1506



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.1659, 0.4871, 0.4231 looks on a white 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

Black Background



This preview shows how the Yxy color 10.1659, 0.4871, 0.4231 looks on a black 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

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

Yxy 10.1659, 0.4871, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 10.1659, 0.4871, 0.4231.



This preview shows how white text looks on a background with the Yxy color 10.1659, 0.4871, 0.4231.

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

10.1659, 0.4871, 0.4231

Protanopia

10.1536, 0.4222, 0.4654

Deuteranopia

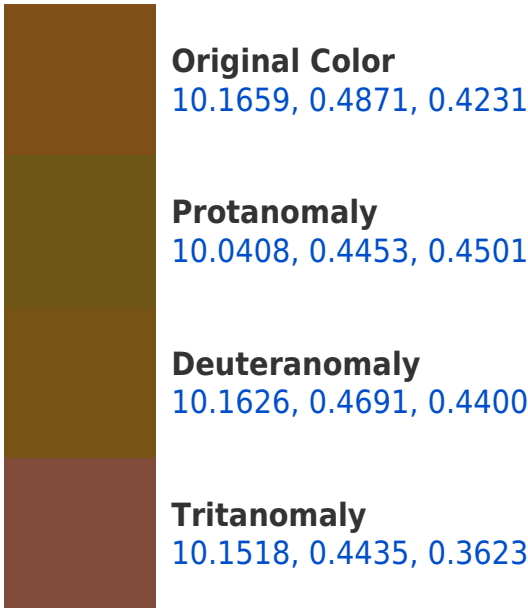
10.2835, 0.4563, 0.4515



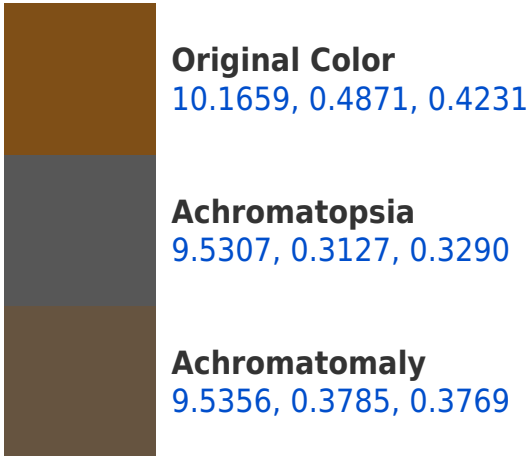
Tritanopia

10.2079, 0.4089, 0.3195

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1659, 0.4871, 0.4231 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(127, 79, 23)` looks like.

```
.text, #text, p{  
    color:rgb(127, 79, 23)  
}
```

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(127, 79, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 79, 23) }
```

Border

The CSS property to change the border of an element to Yxy 10.1659, 0.4871, 0.4231 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(127, 79, 23) }
```

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

```
.border{ border-color:rgb(127, 79, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 79, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 79, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 79, 23);  
box-shadow:4px 4px 4px 4px rgb(127, 79,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1659, 0.4871, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 79, 23) }
```

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

```
.background{ background-color: rgb(127, 79,  
23) }
```

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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