

Converting Colors

$Y_{xy}(19.5880, 0.4728, 0.4402)$

Have a look what the booklet for
Yxy(19.5880, 0.4728, 0.4402)
contains.

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Color

Yxy(19.5854, 0.4725, 0.4399)

Conversions

Conversions Part 1

Format	Color
Hex	A2711E
RGB	162, 113, 30
RGB Percent	64%, 44%, 12%
CMY	0.3648, 0.5568, 0.8823
CMYK	0.00, 0.30, 0.81, 0.36
HSL	38°, 69%, 38%
HSV	38°, 81%, 64%
XYZ	21.0368, 19.5854, 3.9002
YIQ	118.1890, 55.8470, -15.4250

Conversions

Conversions Part 2

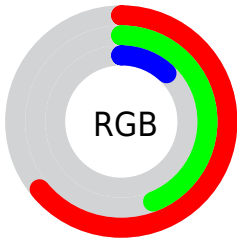
Format	Color
RYB	108, 162, 30
Decimal	10645790
CIELab	51.37, 12.08, 50.22
CIELCh	51, 51.651, 76.474
Yxy	19.5854, 0.4725, 0.4399
Android (android.graphics.Color)	4288835870 (0xFFA2711E)
YUV	118.1890, -43.4772, 38.4222
Hunter-Lab	44.2554, 7.4031, 25.7536

Details

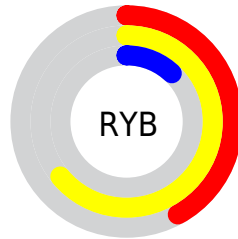
The Yxy color **19.5854, 0.4725, 0.4399** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.4721, 0.1837, 0.1580**, and the grayscale version is **18.3057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8916, 0.4410, 0.4222**, and **6.8448, 0.5026, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **18.2267, 0.4897, 0.4411**, and if you desaturate by 10%, it is **21.0775, 0.4527, 0.4338**.

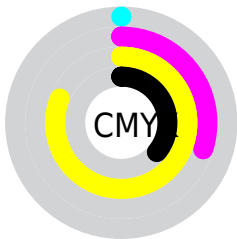
Distribution



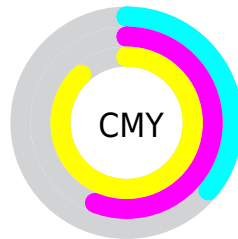
- Red (64%)
- Green (44%)
- Blue (12%)



- Red (42%)
- Yellow (64%)
- Blue (12%)



- Cyan (0%)
- Magenta (30%)
- Yellow (81%)
- Black (36%)




- Cyan (36%)
- Magenta (56%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5854, 0.4725, 0.4399 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 19.5854, 0.4725, 0.4399 by changing the saturation by 10% instead.


 19.5854, 0.4725,
0.4399


 19.5854, 0.4725,
0.4399


249.6617, 0.3867,
0.3859


 12.0940, 0.4926,
0.4491


 42.7210, 0.4414,
0.4224

 6.8077, 0.5207,
0.4610


 59.1340, 0.4295,
0.4150

 3.3422, 0.5415,
0.4585

 79.2896, 0.4194,
0.4085

 1.3129, 0.5601,
0.4399

 103.5724, 0.4109,
0.4028

 0.1511, 0.7437,
0.2563

 132.3665, 0.4035,
0.3977

 0.0000, 0.0000,
0.0000

 166.0565, 0.3972,

0.3933

205.0268, 0.3916,
0.3894

19.5854, 0.4725,
0.4399

19.5854, 0.4725,
0.4399

18.2267, 0.4897,
0.4411

21.0775, 0.4527,
0.4338

17.1585, 0.5026,
0.4392

22.7073, 0.4312,
0.4236

24.4823, 0.4093,
0.4104

26.4084, 0.3877,
0.3952

28.4909, 0.3671,
0.3790

■ 30.7348, 0.3480,
0.3626

■ 33.1448, 0.3306,
0.3466

■ 35.7254, 0.3149,
0.3312

■ 38.4808, 0.3008,
0.3167

Harmonies

Analogous

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



19.5854, 0.5010, 0.3727



19.5854, 0.4725, 0.4399



19.5854, 0.4030, 0.4952

Triad

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



19.5854, 0.4725, 0.4399



19.5854, 0.1751, 0.3229



19.5854, 0.2853, 0.2086

Complementary

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



19.5854, 0.4725, 0.4399



8.4721, 0.1837, 0.1580

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.



19.5854, 0.2094, 0.1900



19.5854, 0.4725, 0.4399



19.5854, 0.1544, 0.2404

Square

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



19.5854, 0.4725, 0.4399



19.5854, 0.2317, 0.4309



19.5854, 0.1661, 0.1985



19.5854, 0.3836, 0.2501

Rectangle

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



19.5854, 0.4725, 0.4399



19.5854, 0.3453, 0.5080



19.5854, 0.1661, 0.1985



19.5854, 0.2565, 0.1996

Sweetspot

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



19.5864, 0.4725, 0.4399



54.5661, 0.3536, 0.3675



9.1962, 0.4862, 0.2656



11.9430, 0.3600, 0.3731



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.5864, 0.4725, 0.4399



31.1965, 0.5017, 0.4384



32.0918, 0.3967, 0.5070



7.7933, 0.3270, 0.3431



13.6059, 0.5016, 0.4399



0.3717, 0.4653, 0.4688

Inverse Universe

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



8.4721, 0.1837, 0.1580



10.6764, 0.1671, 0.1201



4.1039, 0.1730, 0.0878



7.2704, 0.2987, 0.3145



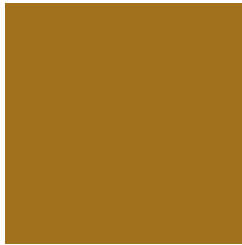
4.6869, 0.1670, 0.1213



0.1870, 0.1875, 0.1949

Previews

White Background



This preview shows how the Yxy color 19.5854, 0.4725, 0.4399 looks on a white background.

Color Contrast Check

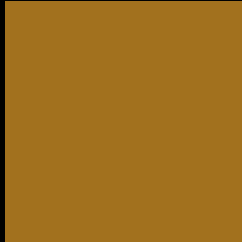
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5854, 0.4725, 0.4399 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

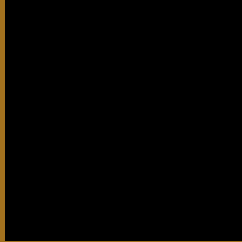
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5854, 0.4725, 0.4399

Background



This preview shows how black text looks on a background with the Yxy color 19.5854, 0.4725, 0.4399.



This preview shows how white text looks on a background with the Yxy color 19.5854, 0.4725, 0.4399.

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

19.5854, 0.4725, 0.4399

Protanopia

19.6790, 0.4266, 0.4706

Deuteranopia

19.5432, 0.4609, 0.4510



Tritanopia

19.5109, 0.3891, 0.3167

Trichromacy



Original Color

19.5854, 0.4725, 0.4399

Protanomaly

19.5010, 0.4442, 0.4586

Deuteranomaly

19.6193, 0.4654, 0.4465

Tritanomaly

19.3490, 0.4272, 0.3684

Monochromacy



Original Color

19.5854, 0.4725, 0.4399

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.2310, 0.3748, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5854, 0.4725, 0.4399 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(162, 113, 30)` looks like.

```
.text, #text, p{  
    color:rgb(162, 113, 30)  
}
```

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(162, 113, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 113, 30) }
```

Border

The CSS property to change the border of an element to Yxy 19.5854, 0.4725, 0.4399 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(162, 113, 30) }
```

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

```
.border{ border-color:rgb(162, 113, 30) }
```

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

Here you see how a box with a 4 pixel rgb(162, 113, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 113, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 113, 30);  
box-shadow:4px 4px 4px 4px rgb(162, 113,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5854, 0.4725, 0.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 113, 30) }
```

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

```
.background{ background-color: rgb(162,  
113, 30) }
```

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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