

Converting Colors

$Y_{xy}(19.5396, 0.4686, 0.4120)$

Have a look what the booklet for
Yxy(19.5396, 0.4686, 0.4120)
contains.

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Color

Yxy(19.4924, 0.4692, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	A86D32
RGB	168, 109, 50
RGB Percent	66%, 43%, 20%
CMY	0.3412, 0.5725, 0.8038
CMYK	0.00, 0.35, 0.70, 0.34
HSL	30°, 54%, 43%
HSV	30°, 70%, 66%
XYZ	22.1932, 19.4924, 5.6145
YIQ	119.9150, 54.1030, -5.8410

Conversions

Conversions Part 2

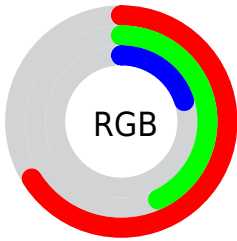
Format	Color
R _Y B	168, 168, 50
Decimal	11038002
CIE Lab	51.26, 17.98, 41.52
CIE LCh	51, 45.249, 66.581
Yxy	19.4924, 0.4692, 0.4121
Android (android.graphics.Color)	4289228082 (0xFFA86D32)
YUV	119.9150, -34.4681, 42.1705
Hunter-Lab	44.1502, 12.4648, 23.3653

Details

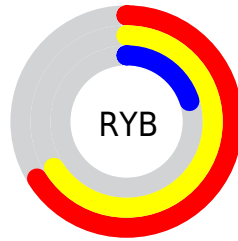
The Yxy color **19.4924, 0.4692, 0.4121** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.4505, 0.2056, 0.2144**, and the grayscale version is **18.8548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7215, 0.4363, 0.3993**, and **6.7170, 0.5204, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **17.6660, 0.4955, 0.4160**, and if you desaturate by 10%, it is **21.5453, 0.4420, 0.4041**.

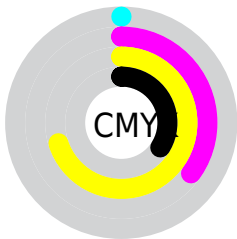
Distribution



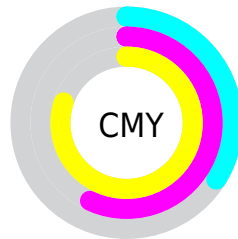
- Red (66%)
- Green (43%)
- Blue (20%)



- Red (66%)
- Yellow (66%)
- Blue (20%)



- Cyan (0%)
- Magenta (35%)
- Yellow (70%)
- Black (34%)





- Cyan (34%)
- Magenta (57%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4924, 0.4692, 0.4121 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 19.4924, 0.4692, 0.4121 by changing the saturation by 10% instead.


 19.4924, 0.4692,
0.4121


 19.4924, 0.4692,
0.4121

249.1538, 0.3823,
0.3718


 12.0266, 0.4920,
0.4192


 42.5645, 0.4362,
0.3989


 6.7618, 0.5206,
0.4250


 58.9396, 0.4241,
0.3934


 3.3136, 0.5665,
0.4335

 79.0533, 0.4141,
0.3886

 1.2976, 0.5930,
0.4070

 103.2899, 0.4057,
0.3843

 0.1393, 0.8040,
0.1960

 132.0338, 0.3985,
0.3806

 0.0000, 0.0000,
0.0000

 165.6695, 0.3924,

0.3773

204.5814, 0.3870,
0.3744

■ 19.4924, 0.4692,
0.4121

■ 19.4924, 0.4692,
0.4121

■ 17.6660, 0.4955,
0.4160

■ 21.5453, 0.4420,
0.4041

■ 16.0524, 0.5193,
0.4149

■ 23.8317, 0.4154,
0.3933

■ 14.6619, 0.5397,
0.4097

■ 26.3615, 0.3904,
0.3809

■ 29.1432, 0.3676,
0.3676

■ 32.1846, 0.3471,
0.3544

■ 35.4933, 0.3289,
0.3415

■ 39.0764, 0.3130,
0.3293

■ 42.9407, 0.2991,
0.3178

■ 47.0928, 0.2870,
0.3073

Harmonies

Analogous

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



19.4924, 0.4758, 0.3513



19.4924, 0.4692, 0.4121



19.4924, 0.4187, 0.4650

Triad

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



19.4924, 0.4692, 0.4121



19.4924, 0.2037, 0.3553



19.4924, 0.2636, 0.2124

Complementary

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



19.4924, 0.4692, 0.4121



14.4505, 0.2056, 0.2144

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.



19.4924, 0.2041, 0.2036



19.4924, 0.4692, 0.4121



19.4924, 0.1731, 0.2721

Square

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



19.4924, 0.4692, 0.4121



19.4924, 0.2651, 0.4436



19.4924, 0.1739, 0.2217



19.4924, 0.3465, 0.2440

Rectangle

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



19.4924, 0.4692, 0.4121



19.4924, 0.3704, 0.4842



19.4924, 0.1739, 0.2217



19.4924, 0.2406, 0.2068

Sweetspot

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



19.4934, 0.4692, 0.4121



57.7341, 0.3493, 0.3559



11.7565, 0.4186, 0.2441



12.2603, 0.3546, 0.3594



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



19.4934, 0.4692, 0.4121



30.4515, 0.5086, 0.4161



35.8394, 0.4074, 0.4808



8.1386, 0.3274, 0.3403



11.1750, 0.5382, 0.4109



0.3743, 0.4894, 0.4496

Inverse Universe

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



14.4505, 0.2056, 0.2144



20.7239, 0.1888, 0.1851



5.9626, 0.1805, 0.1119



7.8972, 0.2987, 0.3174



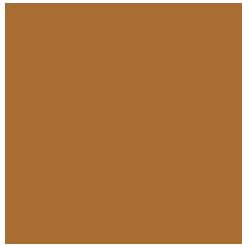
7.0283, 0.1780, 0.1607



0.2734, 0.1949, 0.2214

Previews

White Background



This preview shows how the Yxy color 19.4924, 0.4692, 0.4121 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 19.4924, 0.4692, 0.4121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

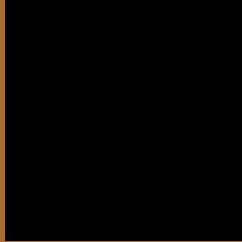
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4924, 0.4692, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 19.4924, 0.4692, 0.4121.



This preview shows how white text looks on a background with the Yxy color 19.4924, 0.4692, 0.4121.

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

19.4924, 0.4692, 0.4121

Protanopia

19.6665, 0.4077, 0.4479

Deuteranopia

19.4765, 0.4436, 0.4338



Tritanopia

19.5969, 0.4012, 0.3186

Trichromacy



Original Color

19.4924, 0.4692, 0.4121

Protanomaly

19.5098, 0.4300, 0.4340

Deuteranomaly

19.3011, 0.4528, 0.4251

Tritanomaly

19.4657, 0.4306, 0.3551

Monochromacy



Original Color

19.4924, 0.4692, 0.4121

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6354, 0.3674, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4924, 0.4692, 0.4121 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(168, 109, 50)` looks like.

```
.text, #text, p{  
    color:rgb(168, 109, 50)  
}
```

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(168, 109, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 109, 50) }
```

Border

The CSS property to change the border of an element to Yxy 19.4924, 0.4692, 0.4121 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(168, 109, 50) }
```

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

```
.border{ border-color:rgb(168, 109, 50) }
```

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

Here you see how a box with a 4 pixel rgb(168, 109, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 109, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 109, 50);  
box-shadow:4px 4px 4px 4px rgb(168, 109,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4924, 0.4692, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 109, 50) }
```

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

```
.background{ background-color: rgb(168,  
109, 50) }
```

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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