

Converting Colors

$Y_{xy}(19.5726, 0.4823, 0.4261)$

Have a look what the booklet for
Yxy(19.5726, 0.4823, 0.4261)
contains.

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Color

Yxy(19.4936, 0.4831, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	A96D23
RGB	169, 109, 35
RGB Percent	66%, 43%, 14%
CMY	0.3373, 0.5725, 0.8627
CMYK	0.00, 0.35, 0.79, 0.34
HSL	33°, 66%, 40%
HSV	33°, 79%, 66%
XYZ	22.1325, 19.4936, 4.1873
YIQ	118.5040, 59.5140, -10.2940

Conversions

Conversions Part 2

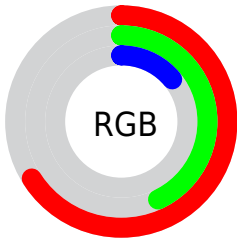
Format	Color
R_{YB}	144, 169, 35
Decimal	11103523
CIE _{Lab}	51.26, 17.70, 48.46
CIE _{LCh}	51, 51.587, 69.937
Yxy	19.4936, 0.4831, 0.4255
Android (android.graphics.Color)	4289293603 (0xFFA96D23)
YUV	118.5040, -41.1675, 44.2850
Hunter-Lab	44.1516, 12.2139, 25.2830

Details

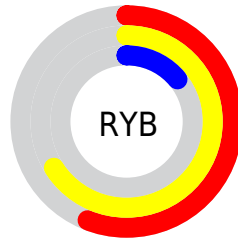
The Yxy color **19.4936, 0.4831, 0.4255** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.4050, 0.1913, 0.1826**, and the grayscale version is **18.4024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6396, 0.4485, 0.4124**, and **6.7822, 0.5219, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **17.8717, 0.5046, 0.4260**, and if you desaturate by 10%, it is **21.3048, 0.4592, 0.4201**.

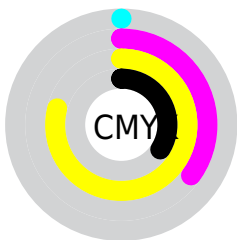
Distribution



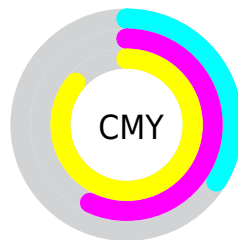
- Red (66%)
- Green (43%)
- Blue (14%)



- Red (56%)
- Yellow (66%)
- Blue (14%)



- Cyan (0%)
- Magenta (35%)
- Yellow (79%)
- Black (34%)



- Cyan (34%)
- Magenta (57%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4936, 0.4831, 0.4255 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 19.4936, 0.4831, 0.4255 by changing the saturation by 10% instead.


 19.4936, 0.4831,
0.4255


 19.4936, 0.4831,
0.4255


249.1603, 0.3904,
0.3802


 12.0275, 0.5057,
0.4322


 42.5665, 0.4489,
0.4115

 6.7624, 0.5360,
0.4393


 58.9421, 0.4361,
0.4053


 3.3140, 0.5653,
0.4347

 79.0563, 0.4253,
0.3998

 1.2978, 0.5915,
0.4085

 103.2935, 0.4161,
0.3949

 0.1395, 0.8019,
0.1981

 132.0381, 0.4083,
0.3906

 0.0000, 0.0000,
0.0000

 165.6745, 0.4015,

0.3867

204.5871, 0.3956,
0.3833

19.4936, 0.4831,
0.4255

19.4936, 0.4831,
0.4255

17.8717, 0.5046,
0.4260

21.3048, 0.4592,
0.4201

16.4203, 0.5232,
0.4220

23.3117, 0.4343,
0.4107

16.3211, 0.5246,
0.4217

25.5240, 0.4097,
0.3985

27.9492, 0.3862,
0.3847

30.5947, 0.3645,
0.3702

■ 33.4672, 0.3448,
0.3556

■ 36.5731, 0.3272,
0.3415

■ 39.9185, 0.3117,
0.3281

■ 43.5093, 0.2979,
0.3155

Harmonies

Analogous

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



19.4936, 0.4996, 0.3582



19.4936, 0.4831, 0.4255



19.4936, 0.4205, 0.4858

Triad

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



19.4936, 0.4831, 0.4255



19.4936, 0.1843, 0.3457



19.4936, 0.2661, 0.2024

Complementary

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



19.4936, 0.4831, 0.4255



11.4050, 0.1913, 0.1826

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.



19.4936, 0.1971, 0.1894



19.4936, 0.4831, 0.4255



19.4936, 0.1559, 0.2547

Square

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



19.4936, 0.4831, 0.4255



19.4936, 0.2483, 0.4522



19.4936, 0.1609, 0.2045



19.4936, 0.3617, 0.2393

Rectangle

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



19.4936, 0.4831, 0.4255



19.4936, 0.3647, 0.5072



19.4936, 0.1609, 0.2045



19.4936, 0.2395, 0.1952

Sweetspot

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



19.4946, 0.4831, 0.4255



57.2459, 0.3547, 0.3631



10.4684, 0.4596, 0.2527



12.0998, 0.3616, 0.3681



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.



19.4946, 0.4831, 0.4255



30.0604, 0.5182, 0.4230



36.2044, 0.4052, 0.4981



8.2034, 0.3273, 0.3415



12.2741, 0.5232, 0.4228



0.3985, 0.4806, 0.4566

Inverse Universe

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



11.4050, 0.1913, 0.1826



15.1490, 0.1754, 0.1481



4.5534, 0.1700, 0.0889



7.8328, 0.2987, 0.3162



6.0563, 0.1733, 0.1438



0.2502, 0.1915, 0.2092

Previews

White Background



This preview shows how the Yxy color 19.4936, 0.4831, 0.4255 looks on a white background.

Color Contrast Check

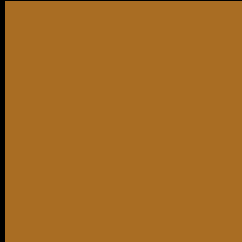
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4936, 0.4831, 0.4255 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 19.4936, 0.4831, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 19.4936, 0.4831, 0.4255.



This preview shows how white text looks on a background with the Yxy color 19.4936, 0.4831, 0.4255.

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

19.4936, 0.4831, 0.4255

Protanopia

19.6308, 0.4213, 0.4655

Deuteranopia

19.4651, 0.4572, 0.4488



Tritanopia

19.4911, 0.4046, 0.3187

Trichromacy



Original Color

19.4936, 0.4831, 0.4255

Protanomaly

19.4864, 0.4440, 0.4501

Deuteranomaly

19.2910, 0.4670, 0.4399

Tritanomaly

19.4830, 0.4403, 0.3637

Monochromacy



Original Color

19.4936, 0.4831, 0.4255

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.2844, 0.3770, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4936, 0.4831, 0.4255 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(169, 109, 35)` looks like.

```
.text, #text, p{  
    color:rgb(169, 109, 35)  
}
```

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(169, 109, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 109, 35) }
```

Border

The CSS property to change the border of an element to Yxy 19.4936, 0.4831, 0.4255 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(169, 109, 35) }
```

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

```
.border{ border-color:rgb(169, 109, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 109, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 109, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 109, 35);  
box-shadow:4px 4px 4px 4px rgb(169, 109,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4936, 0.4831, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 109, 35) }
```

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

```
.background{ background-color: rgb(169,  
109, 35) }
```

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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