

Converting Colors

$Y_{xy}(19.6725, 0.4967, 0.4227)$

Have a look what the booklet for
Yxy(19.6725, 0.4967, 0.4227)
contains.

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Color

Yxy(19.7181, 0.4967, 0.4229)

Conversions

Conversions Part 1

Format	Color
Hex	AF6B1D
RGB	175, 107, 29
RGB Percent	69%, 42%, 11%
CMY	0.3137, 0.5804, 0.8862
CMYK	0.00, 0.39, 0.83, 0.31
HSL	32°, 72%, 40%
HSV	32°, 83%, 69%
XYZ	23.1591, 19.7181, 3.7487
YIQ	118.4400, 65.5660, -9.8420

Conversions

Conversions Part 2

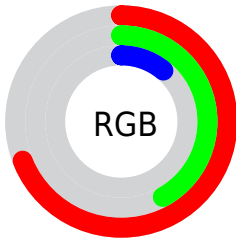
Format	Color
R_{YB}	156, 175, 29
Decimal	11496221
CIE _{Lab}	51.52, 21.27, 51.35
CIE _{LCh}	52, 55.577, 67.495
Yxy	19.7181, 0.4967, 0.4229
Android (android.graphics.Color)	4289686301 (0xFFAF6B1D)
YUV	118.4400, -44.0939, 49.6031
Hunter-Lab	44.4051, 15.3863, 26.0782

Details

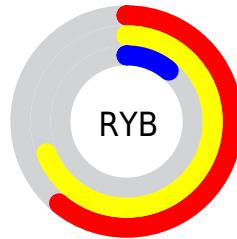
The Yxy color **19.7181, 0.4967, 0.4229** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **11.9087, 0.1879, 0.1787**, and the grayscale version is **18.3892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0376, 0.4603, 0.4118**, and **6.9098, 0.5338, 0.4144** is the 20% darker color. If you saturate the color by 10%, you get **18.0353, 0.5176, 0.4207**, and if you desaturate by 10%, it is **21.6124, 0.4727, 0.4199**.

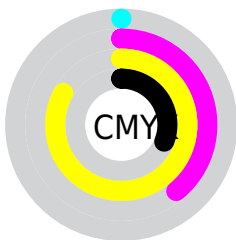
Distribution



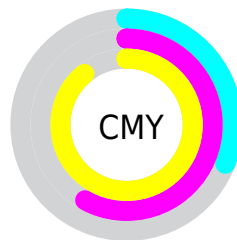
- Red (69%)
- Green (42%)
- Blue (11%)



- Red (61%)
- Yellow (69%)
- Blue (11%)



- Cyan (0%)
- Magenta (39%)
- Yellow (83%)
- Black (31%)





- Cyan (31%)
- Magenta (58%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7181, 0.4967, 0.4229 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 19.7181, 0.4967, 0.4229 by changing the saturation by 10% instead.


 19.7181, 0.4967,
0.4229


 19.7181, 0.4967,
0.4229


250.3849, 0.3975,
0.3812


 12.1903, 0.5202,
0.4276


 42.9441, 0.4605,
0.4110


 6.8734, 0.5537,
0.4331


 59.4110, 0.4468,
0.4053

 3.3831, 0.5793,
0.4207

 79.6264, 0.4352,
0.4002

 1.3348, 0.6092,
0.3908

 103.9748, 0.4253,
0.3955

 0.1679, 0.8017,
0.1983

 132.8404, 0.4168,
0.3913

 0.0000, 0.0000,
0.0000

 166.6077, 0.4095,

0.3876

205.6611, 0.4031,
0.3842

19.7181, 0.4967,
0.4229

19.7181, 0.4967,
0.4229

18.0353, 0.5176,
0.4207

21.6124, 0.4727,
0.4199

17.0287, 0.5302,
0.4172

23.7266, 0.4472,
0.4124

26.0719, 0.4215,
0.4017

28.6575, 0.3969,
0.3888

31.4919, 0.3739,
0.3749

■ 34.5832, 0.3531,
0.3606

■ 37.9389, 0.3344,
0.3467

■ 41.5661, 0.3179,
0.3334

■ 45.4717, 0.3034,
0.3209

Harmonies

Analogous

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



19.7181, 0.5110, 0.3521



19.7181, 0.4967, 0.4229



19.7181, 0.4319, 0.4901

Triad

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



19.7181, 0.4967, 0.4229



19.7181, 0.1801, 0.3557



19.7181, 0.2554, 0.1932

Complementary

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



19.7181, 0.4967, 0.4229



11.9087, 0.1879, 0.1787

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.



19.7181, 0.1859, 0.1816



19.7181, 0.4967, 0.4229



19.7181, 0.1481, 0.2550

Square

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



19.7181, 0.4967, 0.4229



19.7181, 0.2498, 0.4705



19.7181, 0.1509, 0.1994



19.7181, 0.3558, 0.2299

Rectangle

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



19.7181, 0.4967, 0.4229



19.7181, 0.3735, 0.5184



19.7181, 0.1509, 0.1994



19.7181, 0.2283, 0.1864

Sweetspot

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



19.7191, 0.4967, 0.4229



60.7841, 0.3571, 0.3635



10.8594, 0.4661, 0.2496



13.0818, 0.3642, 0.3684



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



19.7191, 0.4967, 0.4229



30.0559, 0.5325, 0.4154



39.3102, 0.4095, 0.5006



8.6972, 0.3274, 0.3411



12.3188, 0.5285, 0.4185



0.4509, 0.4873, 0.4513

Inverse Universe

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



11.9087, 0.1879, 0.1787



15.7917, 0.1734, 0.1443



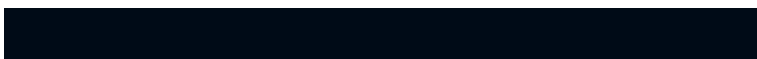
4.3129, 0.1634, 0.0798



8.3491, 0.2986, 0.3166



6.6065, 0.1748, 0.1493



0.2939, 0.1911, 0.2078

Previews

White Background



This preview shows how the Yxy color 19.7181, 0.4967, 0.4229 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 19.7181, 0.4967, 0.4229 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 19.7181, 0.4967, 0.4229

Background



This preview shows how black text looks on a background with the Yxy color 19.7181, 0.4967, 0.4229.



This preview shows how white text looks on a background with the Yxy color 19.7181, 0.4967, 0.4229.

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

19.7181, 0.4967, 0.4229

Protanopia

19.9284, 0.4254, 0.4719

Deuteranopia

19.7571, 0.4616, 0.4550



Tritanopia

19.7596, 0.4167, 0.3191

Trichromacy



Original Color

19.7181, 0.4967, 0.4229

Protanomaly

19.6405, 0.4507, 0.4539

Deuteranomaly

19.5662, 0.4749, 0.4426

Tritanomaly

19.7300, 0.4538, 0.3636

Monochromacy



Original Color

19.7181, 0.4967, 0.4229

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1955, 0.3831, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7181, 0.4967, 0.4229 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(175, 107, 29)` looks like.

```
.text, #text, p{  
    color:rgb(175, 107, 29)  
}
```

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(175, 107, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 107, 29) }
```

Border

The CSS property to change the border of an element to Yxy 19.7181, 0.4967, 0.4229 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(175, 107, 29) }
```

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

```
.border{ border-color:rgb(175, 107, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 107, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 107, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 107, 29);  
box-shadow:4px 4px 4px 4px rgb(175, 107,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7181, 0.4967, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 107, 29) }
```

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

```
.background{ background-color: rgb(175,  
107, 29) }
```

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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