

Converting Colors

$Y_{xy}(20.5870, 0.4991, 0.4419)$

Have a look what the booklet for
Yxy(20.5870, 0.4991, 0.4419)
contains.

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Color

Yxy(20.5870, 0.4991, 0.4419)

Conversions

Conversions Part 1

Format	Color
Hex	AE7000
RGB	174, 112, 0
RGB Percent	68%, 44%, 0%
CMY	0.3176, 0.5608, 0.9999
CMYK	0.00, 0.36, 1.00, 0.32
HSL	39°, 100%, 34%
HSV	39°, 100%, 68%
XYZ	23.2518, 20.5870, 2.7487
YIQ	117.7700, 72.9040, -21.6880

Conversions

Conversions Part 2

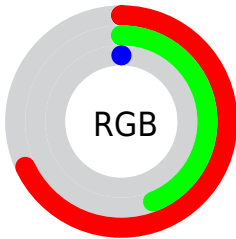
Format	Color
RYB	96, 174, 0
Decimal	11431936
CIELab	52.49, 17.48, 59.42
CIELCh	52, 61.940, 73.612
Yxy	20.5870, 0.4991, 0.4419
Android (android.graphics.Color)	4289622016 (0xFFAE7000)
YUV	117.7700, -58.0606, 49.3137
Hunter-Lab	45.3729, 12.0716, 28.1693

Details

The Yxy color **20.5870, 0.4991, 0.4419** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.5058, 0.1652, 0.1148**, and the grayscale version is **18.2105, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5947, 0.4656, 0.4282**, and **7.3798, 0.5204, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **20.5862, 0.4991, 0.4419**, and if you desaturate by 10%, it is **22.0460, 0.4847, 0.4441**.

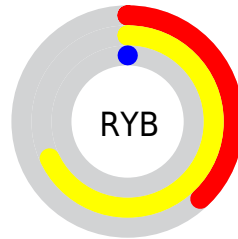
Distribution



Red (68%)

Green (44%)

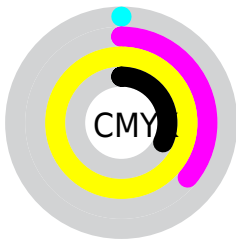
Blue (0%)



Red (38%)

Yellow (68%)

Blue (0%)

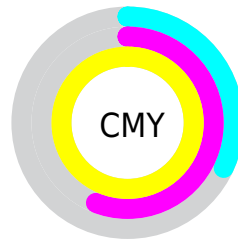


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5870, 0.4991, 0.4419 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 20.5870, 0.4991, 0.4419 by changing the saturation by 10% instead.


 20.5870, 0.4991,
0.4419


 20.5870, 0.4991,
0.4419


255.0754, 0.4025,
0.3926


 12.8225, 0.5194,
0.4469


 44.3992, 0.4656,
0.4283


 7.3064, 0.5474,
0.4526


 61.2156, 0.4523,
0.4216


 3.6544, 0.5621,
0.4379

 81.8181, 0.4408,
0.4155

 1.4822, 0.5862,
0.4138

 106.5910, 0.4310,
0.4099


 0.2762, 0.7139,
0.2861


 135.9188, 0.4224,
0.4049


 0.0000, 0.0000,
0.0000


 170.1859, 0.4149,

0.4003


 209.7766, 0.4083,
0.3963

 20.5870, 0.4991,
0.4419


 20.5870, 0.4991,
0.4419


 20.5862, 0.4991,
0.4419

 22.0460, 0.4847,
0.4441

 23.6368, 0.4678,
0.4420

 25.3767, 0.4483,
0.4351

 27.2740, 0.4273,
0.4242

 29.3363, 0.4057,
0.4103

■ 31.5701, 0.3844,
0.3946

■ 33.9815, 0.3642,
0.3779

■ 36.5763, 0.3454,
0.3611

■ 39.3598, 0.3282,
0.3447

Harmonies

Analogous

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



20.5870, 0.5310, 0.3655



20.5870, 0.4991, 0.4419



20.5870, 0.4198, 0.5142

Triad

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



20.5870, 0.4991, 0.4419



20.5870, 0.1586, 0.3308



20.5870, 0.2697, 0.1892

Complementary

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



20.5870, 0.4991, 0.4419



6.5058, 0.1652, 0.1148

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.



20.5870, 0.1879, 0.1711



20.5870, 0.4991, 0.4419



20.5870, 0.1339, 0.2310

Square

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



20.5870, 0.4991, 0.4419



20.5870, 0.2245, 0.4634



20.5870, 0.1442, 0.1822



20.5870, 0.3836, 0.2328

Rectangle

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



20.5870, 0.4991, 0.4419



20.5870, 0.3546, 0.5403



20.5870, 0.1442, 0.1822



20.5870, 0.2381, 0.1801

Sweetspot

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



20.5881, 0.4991, 0.4419



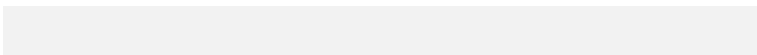
61.3836, 0.3653, 0.3788



9.3686, 0.5501, 0.2804



13.2342, 0.3735, 0.3858



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.



20.5881, 0.4991, 0.4419



36.8991, 0.5008, 0.4405



36.8380, 0.3961, 0.5237



8.8426, 0.3271, 0.3436



15.0442, 0.4980, 0.4428



0.5168, 0.4688, 0.4660

Inverse Universe

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



6.5058, 0.1652, 0.1148



11.4118, 0.1644, 0.1117



3.2417, 0.1553, 0.0630



8.2069, 0.2986, 0.3140



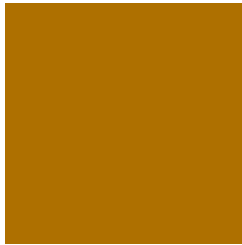
4.8200, 0.1658, 0.1168



0.2392, 0.1836, 0.1808

Previews

White Background



This preview shows how the Yxy color 20.5870, 0.4991, 0.4419 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 20.5870, 0.4991, 0.4419 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 20.5870, 0.4991, 0.4419

Background



This preview shows how black text looks on a background with the Yxy color 20.5870, 0.4991, 0.4419.



This preview shows how white text looks on a background with the Yxy color 20.5870, 0.4991, 0.4419.

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

20.5870, 0.4991, 0.4419

Protanopia

20.6990, 0.4371, 0.4843

Deuteranopia

20.5646, 0.4714, 0.4639



Tritanopia

20.6542, 0.4069, 0.3176

Trichromacy



Original Color

20.5870, 0.4991, 0.4419

Protanomaly

20.5623, 0.4603, 0.4684

Deuteranomaly

20.3833, 0.4818, 0.4556

Tritanomaly

20.3174, 0.4590, 0.3802

Monochromacy



Original Color

20.5870, 0.4991, 0.4419

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.4021, 0.3942, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5870, 0.4991, 0.4419 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(174, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(174, 112, 0)  
}
```

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(174, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 112, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.5870, 0.4991, 0.4419 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(174, 112, 0) }
```

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

```
.border{ border-color:rgb(174, 112, 0) }
```

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

Here you see how a box with a 4 pixel rgb(174, 112, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(174, 112,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5870, 0.4991, 0.4419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 112, 0) }
```

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

```
.background{ background-color: rgb(174,  
112, 0) }
```

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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