

Converting Colors

$Y_{xy}(20.0078, 0.4800, 0.4571)$

Have a look what the booklet for
Yxy(20.0078, 0.4800, 0.4571)
contains.

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Color

Yxy(19.9428, 0.4811, 0.4562)

Conversions

Conversions Part 1

Format	Color
Hex	A27300
RGB	162, 115, 0
RGB Percent	64%, 45%, 0%
CMY	0.3647, 0.5490, 1.0000
CMYK	0.00, 0.29, 1.00, 0.36
HSL	43°, 100%, 32%
HSV	43°, 100%, 64%
XYZ	21.0313, 19.9428, 2.7409
YIQ	115.9430, 64.9270, -25.8010

Conversions

Conversions Part 2

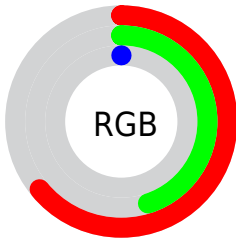
Format	Color
RYB	66, 162, 0
Decimal	10646272
CIELab	51.77, 10.30, 58.23
CIELCh	52, 59.138, 79.971
Yxy	19.9428, 0.4811, 0.4562
Android (android.graphics.Color)	4288836352 (0xFFA27300)
YUV	115.9430, -57.1599, 40.3920
Hunter-Lab	44.6574, 5.9139, 27.6211

Details

The Yxy color **19.9428, 0.4811, 0.4562** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.6423, 0.1609, 0.0991**, and the grayscale version is **17.6113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3912, 0.4504, 0.4383**, and **7.0176, 0.4960, 0.4444** is the 20% darker color. If you saturate the color by 10%, you get **19.9432, 0.4811, 0.4562**, and if you desaturate by 10%, it is **21.0813, 0.4694, 0.4565**.

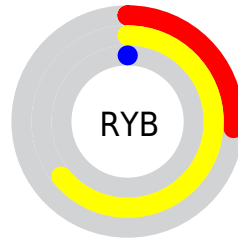
Distribution



Red (64%)

Green (45%)

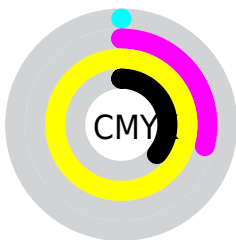
Blue (0%)



Red (26%)

Yellow (64%)

Blue (0%)

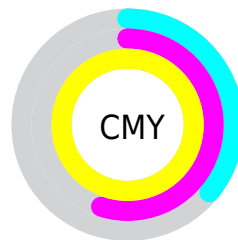


Cyan (0%)

Magenta (29%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9428, 0.4811, 0.4562 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 19.9428, 0.4811, 0.4562 by changing the saturation by 10% instead.


 19.9428, 0.4811,
0.4562


 19.9428, 0.4811,
0.4562


251.6053, 0.3941,
0.3964


 12.3535, 0.4989,
0.4648


 43.3213, 0.4511,
0.4379


 6.9849, 0.5239,
0.4761


 59.8792, 0.4391,
0.4297

 3.4526, 0.5333,
0.4667

 80.1954, 0.4288,
0.4224

 1.3724, 0.5490,
0.4510

 104.6544, 0.4198,
0.4159


 0.1962, 0.6906,
0.3094


 133.6405, 0.4121,
0.4101


 0.0000, 0.0000,
0.0000


 167.5380, 0.4053,

0.4050


 206.7315, 0.3994,
0.4004


 19.9428, 0.4811,
0.4562


 19.9428, 0.4811,
0.4562


 19.9432, 0.4811,
0.4562

 21.0813, 0.4694,
0.4565

 22.3047, 0.4553,
0.4529

 23.6278, 0.4387,
0.4447

 25.0570, 0.4203,
0.4325

 26.5976, 0.4009,
0.4174

■ 28.2547, 0.3815,
0.4004

■ 30.0327, 0.3626,
0.3823

■ 31.9358, 0.3446,
0.3641

■ 33.9679, 0.3280,
0.3462

Harmonies

Analogous

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



19.9428, 0.5233, 0.3813



19.9428, 0.4811, 0.4562



19.9428, 0.3985, 0.5199

Triad

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



19.9428, 0.4811, 0.4562



19.9428, 0.1547, 0.3066



19.9428, 0.2929, 0.2000

Complementary

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



19.9428, 0.4811, 0.4562



4.6423, 0.1609, 0.0991

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.



19.9428, 0.2052, 0.1767



19.9428, 0.4811, 0.4562



19.9428, 0.1379, 0.2206

Square

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



19.9428, 0.4811, 0.4562



19.9428, 0.2109, 0.4323



19.9428, 0.1547, 0.1813



19.9428, 0.4056, 0.2474

Rectangle

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



19.9428, 0.4811, 0.4562



19.9428, 0.3337, 0.5332



19.9428, 0.1547, 0.1813



19.9428, 0.2597, 0.1893

Sweetspot

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



19.9438, 0.4811, 0.4562



54.3292, 0.3636, 0.3834



7.9002, 0.5738, 0.2935



11.9061, 0.3711, 0.3907



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.



19.9438, 0.4811, 0.4562



35.8361, 0.4825, 0.4551



30.5556, 0.3847, 0.5327



7.8884, 0.3268, 0.3449



15.7880, 0.4804, 0.4567



0.4067, 0.4540, 0.4778

Inverse Universe

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



4.6423, 0.1609, 0.0991



8.1167, 0.1600, 0.0960



2.9225, 0.1605, 0.0658



7.1792, 0.2987, 0.3126



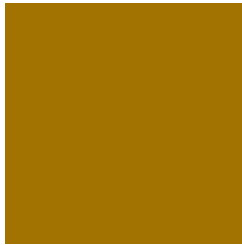
3.7231, 0.1613, 0.1005



0.1556, 0.1810, 0.1716

Previews

White Background



This preview shows how the Yxy color 19.9428, 0.4811, 0.4562 looks on a white background.

Color Contrast Check

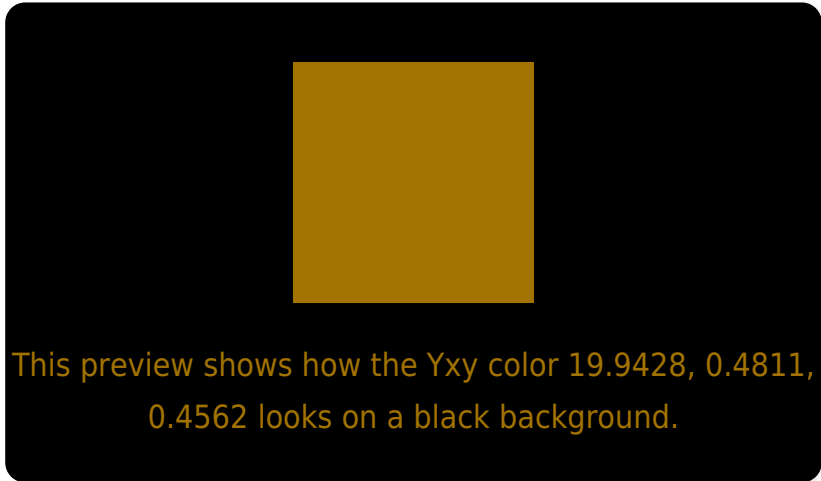
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 19.9428, 0.4811, 0.4562

Background



This preview shows how black text looks on a background with the Yxy color 19.9428, 0.4811, 0.4562.



This preview shows how white text looks on a background with the Yxy color 19.9428, 0.4811, 0.4562.

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

19.9428, 0.4811, 0.4562

Protanopia

20.0127, 0.4378, 0.4847

Deuteranopia

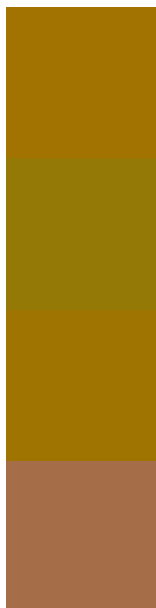
19.8907, 0.4721, 0.4634



Tritanopia

19.9687, 0.3852, 0.3167

Trichromacy



Original Color

19.9428, 0.4811, 0.4562

Protanomaly

19.9838, 0.4534, 0.4748

Deuteranomaly

19.8617, 0.4760, 0.4602

Tritanomaly

19.6322, 0.4385, 0.3861

Monochromacy



Original Color

19.9428, 0.4811, 0.4562

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.9717, 0.3884, 0.4069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9428, 0.4811, 0.4562 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, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 115, 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(162, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.9428, 0.4811, 0.4562 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, 115, 0) }
```

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

```
.border{ border-color:rgb(162, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 115,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9428, 0.4811, 0.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 115, 0) }
```

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

```
.background{ background-color: rgb(162,  
115, 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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