

Converting Colors

$Y_{xy}(19.9271, 0.4850, 0.4531)$

Have a look what the booklet for
Yxy(19.9271, 0.4850, 0.4531)
contains.

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Color

Yxy(19.9271, 0.4850, 0.4531)

Conversions

Conversions Part 1

Format	Color
Hex	A47200
RGB	164, 114, 0
RGB Percent	64%, 45%, 0%
CMY	0.3568, 0.5530, 0.9999
CMYK	0.00, 0.30, 1.00, 0.36
HSL	42°, 100%, 32%
HSV	42°, 100%, 64%
XYZ	21.3300, 19.9271, 2.7223
YIQ	115.9540, 66.3940, -24.8540

Conversions

Conversions Part 2

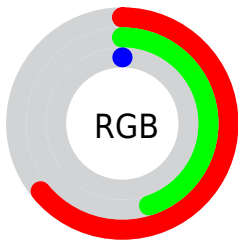
Format	Color
R_{YB}	72, 164, 0
Decimal	10777088
CIE _{Lab}	51.75, 11.80, 58.34
CIE _{LCh}	52, 59.518, 78.564
Yxy	19.9271, 0.4850, 0.4531
Android (android.graphics.Color)	4288967168 (0xFFA47200)
YUV	115.9540, -57.1653, 42.1363
Hunter-Lab	44.6398, 7.1723, 27.6321

Details

The Yxy color **19.9271, 0.4850, 0.4531** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9655, 0.1618, 0.1024**, and the grayscale version is **17.6149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.5014, 0.4540, 0.4357**, and **7.0222, 0.5018, 0.4398** is the 20% darker color. If you saturate the color by 10%, you get **19.9270, 0.4850, 0.4531**, and if you desaturate by 10%, it is **21.1264, 0.4727, 0.4538**.

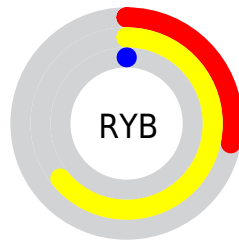
Distribution



Red (64%)

Green (45%)

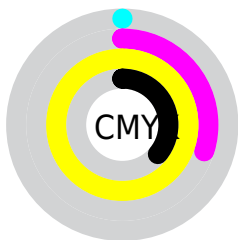
Blue (0%)



Red (28%)

Yellow (64%)

Blue (0%)

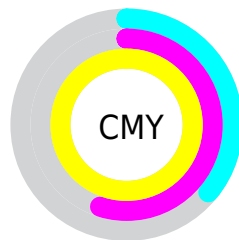


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9271, 0.4850, 0.4531 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 19.9271, 0.4850, 0.4531 by changing the saturation by 10% instead.


 19.9271, 0.4850,
0.4531


 19.9271, 0.4850,
0.4531


251.5202, 0.3958,
0.3955


 12.3421, 0.5034,
0.4609


 43.2949, 0.4542,
0.4358


 6.9771, 0.5291,
0.4709


 59.8465, 0.4418,
0.4279

 3.4478, 0.5397,
0.4603

 80.1557, 0.4313,
0.4208

 1.3697, 0.5576,
0.4424

 104.6070, 0.4221,
0.4145


 0.1943, 0.7087,
0.2913


 133.5847, 0.4142,
0.4089


 0.0000, 0.0000,
0.0000


 167.4732, 0.4073,

0.4039

 206.6569, 0.4012,
0.3995


 19.9271, 0.4850,
0.4531


 19.9271, 0.4850,
0.4531


 19.9270, 0.4850,
0.4531

 21.1264, 0.4727,
0.4538

 22.4188, 0.4580,
0.4505

 23.8196, 0.4408,
0.4426

 25.3353, 0.4218,
0.4307

 26.9719, 0.4019,
0.4158

■ 28.7345, 0.3821,
0.3991

■ 30.6278, 0.3629,
0.3813

■ 32.6563, 0.3448,
0.3634

■ 34.8241, 0.3280,
0.3458

Harmonies

Analogous

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



19.9271, 0.5250, 0.3779



19.9271, 0.4850, 0.4531



19.9271, 0.4032, 0.5188

Triad

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



19.9271, 0.4850, 0.4531



19.9271, 0.1556, 0.3117



19.9271, 0.2878, 0.1977

Complementary

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



19.9271, 0.4850, 0.4531



4.9655, 0.1618, 0.1024

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.



19.9271, 0.2014, 0.1755



19.9271, 0.4850, 0.4531



19.9271, 0.1371, 0.2228

Square

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



19.9271, 0.4850, 0.4531



19.9271, 0.2138, 0.4389



19.9271, 0.1524, 0.1815



19.9271, 0.4009, 0.2442

Rectangle

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



19.9271, 0.4850, 0.4531



19.9271, 0.3382, 0.5349



19.9271, 0.1524, 0.1815



19.9271, 0.2549, 0.1873

Sweetspot

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



19.9281, 0.4850, 0.4531



55.3776, 0.3640, 0.3824



8.1422, 0.5680, 0.2903



11.8018, 0.3716, 0.3895



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.



19.9281, 0.4850, 0.4531



35.7790, 0.4865, 0.4519



31.6217, 0.3876, 0.5305



7.8709, 0.3269, 0.3446



15.3622, 0.4842, 0.4537



0.4000, 0.4560, 0.4761

Inverse Universe

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



4.9655, 0.1618, 0.1024



8.6842, 0.1609, 0.0993



2.9586, 0.1591, 0.0650



7.1959, 0.2987, 0.3129



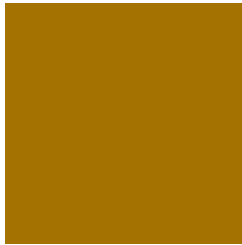
3.8814, 0.1623, 0.1041



0.1614, 0.1822, 0.1761

Previews

White Background



This preview shows how the Yxy color 19.9271, 0.4850, 0.4531 looks on a white background.

Color Contrast Check

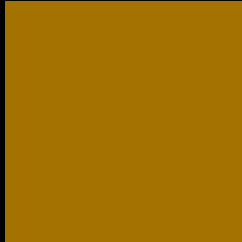
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9271, 0.4850, 0.4531 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 19.9271, 0.4850, 0.4531

Background



This preview shows how black text looks on a background with the Yxy color 19.9271, 0.4850, 0.4531.



This preview shows how white text looks on a background with the Yxy color 19.9271, 0.4850, 0.4531.

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

19.9271, 0.4850, 0.4531

Protanopia

20.0127, 0.4378, 0.4847

Deuteranopia

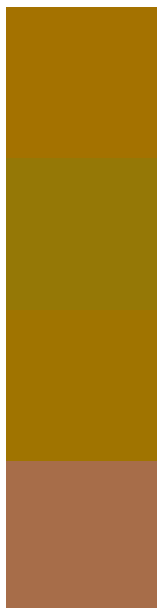
19.8907, 0.4721, 0.4634



Tritanopia

19.9580, 0.3898, 0.3168

Trichromacy



Original Color

19.9271, 0.4850, 0.4531

Protanomaly

19.8357, 0.4561, 0.4726

Deuteranomaly

19.9644, 0.4772, 0.4593

Tritanomaly

19.6338, 0.4420, 0.3839

Monochromacy



Original Color

19.9271, 0.4850, 0.4531

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.7424, 0.3891, 0.4052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9271, 0.4850, 0.4531 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(164, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 114, 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(164, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.9271, 0.4850, 0.4531 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(164, 114, 0) }
```

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

```
.border{ border-color:rgb(164, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 114,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9271, 0.4850, 0.4531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 114, 0) }
```

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

```
.background{ background-color: rgb(164,  
114, 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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