

Converting Colors

$Y_{xy}(18.2084, 0.5179, 0.4701)$

Have a look what the booklet for
Yxy(18.2084, 0.5179, 0.4701)
contains.

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Color

Yxy(18.3019, 0.4951, 0.4450)

Conversions

Conversions Part 1

Format	Color
Hex	A36B00
RGB	163, 107, 0
RGB Percent	64%, 42%, 0%
CMY	0.3608, 0.5804, 0.9994
CMYK	0.00, 0.34, 1.00, 0.36
HSL	39°, 100%, 32%
HSV	39°, 100%, 64%
XYZ	20.3624, 18.3019, 2.4636
YIQ	111.5460, 67.7230, -21.4050

Conversions

Conversions Part 2

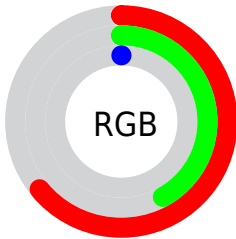
Format	Color
R_{YB}	85, 163, 0
Decimal	10709760
CIE Lab	49.86, 15.30, 56.99
CIE LCh	50, 59.003, 74.971
Yxy	18.3019, 0.4951, 0.4450
Android (android.graphics.Color)	4288899840 (0xFFA36B00)
YUV	111.5460, -54.9922, 45.1252
Hunter-Lab	42.7807, 10.0947, 26.5322

Details

The Yxy color **18.3019, 0.4951, 0.4450** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.4877, 0.1646, 0.1124**, and the grayscale version is **16.2178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5006, 0.4620, 0.4296**, and **6.2959, 0.5152, 0.4291** is the 20% darker color. If you saturate the color by 10%, you get **18.2917, 0.4952, 0.4450**, and if you desaturate by 10%, it is **19.5482, 0.4811, 0.4465**.

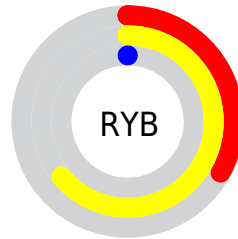
Distribution



Red (64%)

Green (42%)

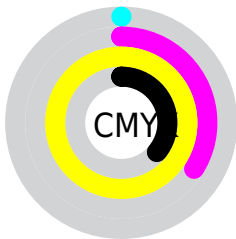
Blue (0%)



Red (33%)

Yellow (64%)

Blue (0%)

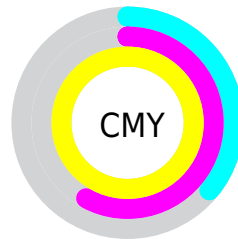


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3019, 0.4951, 0.4450 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 18.3019, 0.4951, 0.4450 by changing the saturation by 10% instead.


 18.3019, 0.4951,
0.4450


 18.3019, 0.4951,
0.4450


242.5672, 0.3989,
0.3922


 11.1670, 0.5158,
0.4511


 40.5511, 0.4613,
0.4298


 6.1792, 0.5431,
0.4569

 56.4341, 0.4480,
0.4226

 2.9544, 0.5578,
0.4422

 76.0020, 0.4366,
0.4160

 1.1080, 0.5830,
0.4170

 99.6390, 0.4268,
0.4102


 0.0000, 1.0000,
0.0000


 127.7297, 0.4183,
0.4049


 0.0000, 0.0000,
0.0000


 160.6583, 0.4110,


0.4002


 198.8094, 0.4045,
0.3960

 18.3019, 0.4951,
0.4450


 18.3019, 0.4951,
0.4450

 18.2917, 0.4952,
0.4450

 19.5482, 0.4811,
0.4465

 20.9019, 0.4647,
0.4439

 22.3782, 0.4457,
0.4367

 23.9841, 0.4252,
0.4254

 25.7257, 0.4042,
0.4113

■ 27.6085, 0.3834,
0.3953

■ 29.6376, 0.3635,
0.3784

■ 31.8177, 0.3450,
0.3614

■ 34.1532, 0.3280,
0.3448

Harmonies

Analogous

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



18.3019, 0.5293, 0.3690



18.3019, 0.4951, 0.4450



18.3019, 0.4152, 0.5155

Triad

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



18.3019, 0.4951, 0.4450



18.3019, 0.1578, 0.3253



18.3019, 0.2747, 0.1916

Complementary

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



18.3019, 0.4951, 0.4450



5.4877, 0.1646, 0.1124

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.



18.3019, 0.1917, 0.1724



18.3019, 0.4951, 0.4450



18.3019, 0.1349, 0.2287

Square

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



18.3019, 0.4951, 0.4450



18.3019, 0.2215, 0.4565



18.3019, 0.1465, 0.1820



18.3019, 0.3884, 0.2361

Rectangle

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



18.3019, 0.4951, 0.4450



18.3019, 0.3501, 0.5389



18.3019, 0.1465, 0.1820



18.3019, 0.2427, 0.1822

Sweetspot

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



18.3028, 0.4951, 0.4450



52.8360, 0.3648, 0.3795



8.0865, 0.5551, 0.2832



11.5335, 0.3726, 0.3863



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.



18.3028, 0.4951, 0.4450



32.3741, 0.4969, 0.4436



31.6462, 0.3933, 0.5258



7.8252, 0.3269, 0.3437



14.3032, 0.4943, 0.4457



0.3832, 0.4614, 0.4719

Inverse Universe

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



5.4877, 0.1646, 0.1124



9.4714, 0.1637, 0.1091



2.8489, 0.1567, 0.0638



7.2397, 0.2987, 0.3138



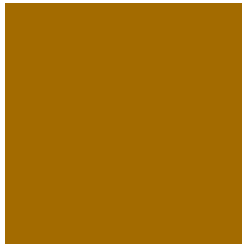
4.3345, 0.1650, 0.1139



0.1764, 0.1854, 0.1873

Previews

White Background



This preview shows how the Yxy color 18.3019, 0.4951, 0.4450 looks on a white background.

Color Contrast Check

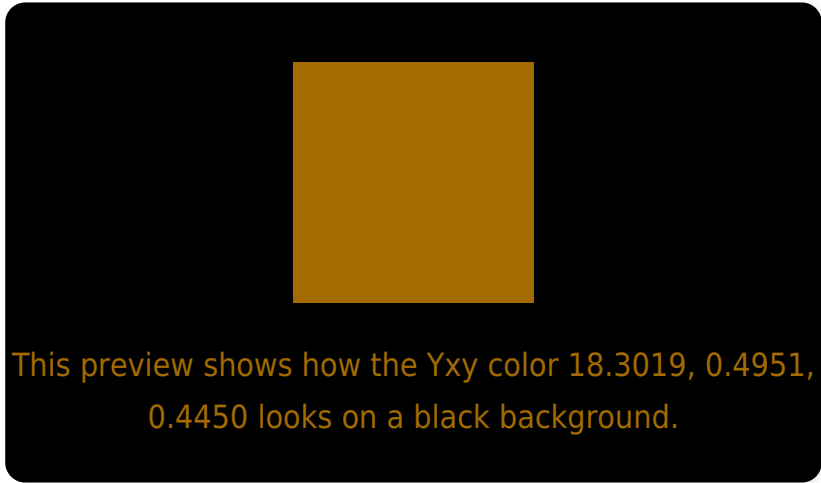
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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 18.3019, 0.4951, 0.4450

Background



This preview shows how black text looks on a background with the Yxy color 18.3019, 0.4951, 0.4450.



This preview shows how white text looks on a background with the Yxy color 18.3019, 0.4951, 0.4450.

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

18.3019, 0.4951, 0.4450

Protanopia

18.2861, 0.4368, 0.4844

Deuteranopia

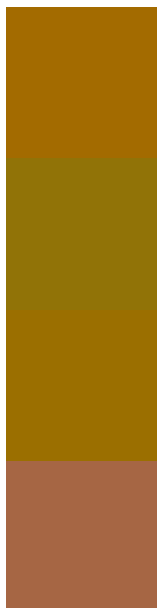
18.3896, 0.4711, 0.4641



Tritanopia

18.2007, 0.4012, 0.3168

Trichromacy



Original Color

18.3019, 0.4951, 0.4450

Protanomaly

18.2965, 0.4584, 0.4699

Deuteranomaly

18.3374, 0.4792, 0.4577

Tritanomaly

18.0271, 0.4544, 0.3806

Monochromacy



Original Color

18.3019, 0.4951, 0.4450

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.4321, 0.3940, 0.4028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3019, 0.4951, 0.4450 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(163, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 107, 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(163, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 107, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.3019, 0.4951, 0.4450 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(163, 107, 0) }
```

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

```
.border{ border-color:rgb(163, 107, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 107, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 107,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3019, 0.4951, 0.4450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 107, 0) }
```

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

```
.background{ background-color: rgb(163,  
107, 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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