

Converting Colors

$Y_{xy}(18.5091, 0.5284, 0.4496)$

Have a look what the booklet for
Yxy(18.5091, 0.5284, 0.4496)
contains.

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Color

Yxy(18.5847, 0.5125, 0.4313)

Conversions

Conversions Part 1

Format	Color
Hex	AD6700
RGB	173, 103, 0
RGB Percent	68%, 40%, 0%
CMY	0.3216, 0.5961, 1.0000
CMYK	0.00, 0.40, 1.00, 0.32
HSL	36°, 100%, 34%
HSV	36°, 100%, 68%
XYZ	22.0836, 18.5847, 2.4217
YIQ	112.1880, 74.7830, -17.1930

Conversions

Conversions Part 2

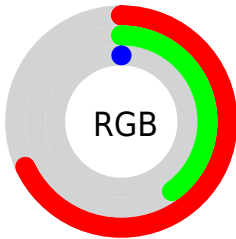
Format	Color
R_{YB}	118, 173, 0
Decimal	11364096
CIE Lab	50.20, 22.05, 57.89
CIE LCh	50, 61.946, 69.150
Yxy	18.5847, 0.5125, 0.4313
Android (android.graphics.Color)	4289554176 (0xFFAD6700)
YUV	112.1880, -55.3087, 53.3321
Hunter-Lab	43.1100, 15.9963, 26.8464

Details

The Yxy color **18.5847, 0.5125, 0.4313** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.3967, 0.1690, 0.1285**, and the grayscale version is **16.4114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9625, 0.4757, 0.4201**, and **6.3098, 0.5395, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **18.5858, 0.5125, 0.4313**, and if you desaturate by 10%, it is **20.0785, 0.4959, 0.4346**.

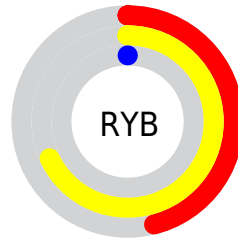
Distribution



Red (68%)

Green (40%)

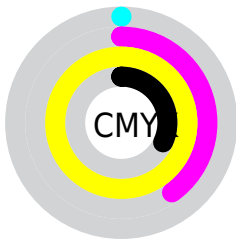
Blue (0%)



Red (46%)

Yellow (68%)

Blue (0%)

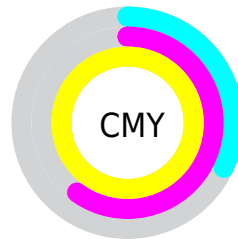


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (32%)



Cyan (32%)


Magenta (60%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5847, 0.5125, 0.4313 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 18.5847, 0.5125, 0.4313 by changing the saturation by 10% instead.


 18.5847, 0.5125,
0.4313


 18.5847, 0.5125,
0.4313


244.1464, 0.4068,
0.3885


 11.3706, 0.5356,
0.4339


 41.0312, 0.4752,
0.4206


 6.3167, 0.5657,
0.4343


 57.0323, 0.4606,
0.4148


 3.0386, 0.5856,
0.4144

 76.7312, 0.4481,
0.4094

 1.1519, 0.6188,
0.3812

 100.5123, 0.4374,
0.4044


 0.0219, 0.9623,
0.0377


 128.7599, 0.4281,
0.3998

 0.0000, 0.0000,
0.0000


 161.8586, 0.4200,


0.3957


 200.1926, 0.4130,
0.3919


 18.5847, 0.5125,
0.4313


 18.5847, 0.5125,
0.4313

 18.5858, 0.5125,
0.4313

 20.0785, 0.4959,
0.4346

 21.7268, 0.4768,
0.4336

 23.5475, 0.4551,
0.4276

 25.5498, 0.4320,
0.4176

 27.7419, 0.4088,
0.4047

■ 30.1310, 0.3863,
0.3900

■ 32.7240, 0.3652,
0.3744

■ 35.5273, 0.3459,
0.3588

■ 38.5468, 0.3284,
0.3435

Harmonies

Analogous

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



18.5847, 0.5366, 0.3540



18.5847, 0.5125, 0.4313



18.5847, 0.4355, 0.5091

Triad

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



18.5847, 0.5125, 0.4313



18.5847, 0.1614, 0.3501



18.5847, 0.2531, 0.1811

Complementary

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



18.5847, 0.5125, 0.4313



7.3967, 0.1690, 0.1285

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.



18.5847, 0.1755, 0.1668



18.5847, 0.5125, 0.4313



18.5847, 0.1307, 0.2391

Square

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



18.5847, 0.5125, 0.4313



18.5847, 0.2345, 0.4870



18.5847, 0.1364, 0.1827



18.5847, 0.3673, 0.2220

Rectangle

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



18.5847, 0.5125, 0.4313



18.5847, 0.3698, 0.5440



18.5847, 0.1364, 0.1827



18.5847, 0.2226, 0.1732

Sweetspot

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



18.5858, 0.5125, 0.4313



58.3549, 0.3663, 0.3752



9.3532, 0.5298, 0.2692



12.2631, 0.3747, 0.3816



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



18.5858, 0.5125, 0.4313



32.8538, 0.5145, 0.4297



37.2153, 0.4049, 0.5167



8.7783, 0.3272, 0.3425



13.7684, 0.5112, 0.4323



0.4867, 0.4767, 0.4597

Inverse Universe

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



7.3967, 0.1690, 0.1285



12.8499, 0.1682, 0.1254



3.1138, 0.1529, 0.0616



8.2693, 0.2986, 0.3151



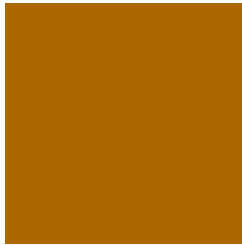
5.5402, 0.1696, 0.1304



0.2632, 0.1870, 0.1931

Previews

White Background



This preview shows how the Yxy color 18.5847, 0.5125, 0.4313 looks on a white background.

Color Contrast Check

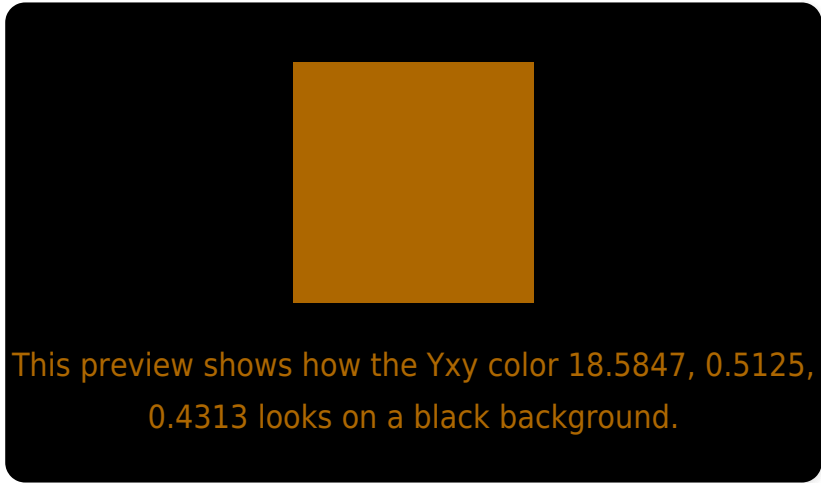
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5847, 0.5125, 0.4313

Background



This preview shows how black text looks on a background with the Yxy color 18.5847, 0.5125, 0.4313.



This preview shows how white text looks on a background with the Yxy color 18.5847, 0.5125, 0.4313.

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

18.5847, 0.5125, 0.4313

Protanopia

18.6129, 0.4361, 0.4837

Deuteranopia

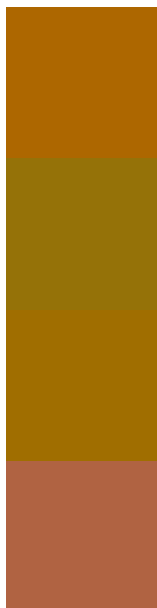
18.7100, 0.4708, 0.4644



Tritanopia

18.6921, 0.4226, 0.3190

Trichromacy



Original Color

18.5847, 0.5125, 0.4313

Protanomaly

18.4417, 0.4647, 0.4644

Deuteranomaly

18.6254, 0.4868, 0.4517

Tritanomaly

18.5471, 0.4727, 0.3754

Monochromacy



Original Color

18.5847, 0.5125, 0.4313

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.4605, 0.3993, 0.3998

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5847, 0.5125, 0.4313 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(173, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 103, 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(173, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5847, 0.5125, 0.4313 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(173, 103, 0) }
```

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

```
.border{ border-color:rgb(173, 103, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 103, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5847, 0.5125, 0.4313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 103, 0) }
```

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

```
.background{ background-color: rgb(173,  
103, 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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