

Converting Colors

$Y_{xy}(16.2674, 0.5322, 0.4509)$

Have a look what the booklet for
Yxy(16.2674, 0.5322, 0.4509)
contains.

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Color

Yxy(16.4419, 0.5131, 0.4308)

Conversions

Conversions Part 1

Format	Color
Hex	A46100
RGB	164, 97, 0
RGB Percent	64%, 38%, 0%
CMY	0.3569, 0.6196, 1.0000
CMYK	0.00, 0.41, 1.00, 0.36
HSL	35°, 100%, 32%
HSV	35°, 100%, 64%
XYZ	19.5830, 16.4419, 2.1411
YIQ	105.9750, 71.0690, -15.9630

Conversions

Conversions Part 2

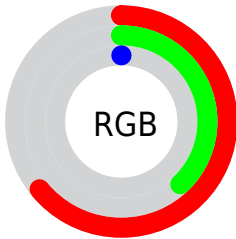
Format	Color
R _Y B	113, 164, 0
Decimal	10772736
CIE Lab	47.55, 21.40, 55.58
CIE LCh	48, 59.560, 68.947
Yxy	16.4419, 0.5131, 0.4308
Android (android.graphics.Color)	4288962816 (0xFFA46100)
YUV	105.9750, -52.2457, 50.8879
Hunter-Lab	40.5486, 15.2465, 25.2533

Details

The Yxy color **16.4419, 0.5131, 0.4308** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.6917, 0.1695, 0.1303**, and the grayscale version is **14.5380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3640, 0.4742, 0.4201**, and **5.3454, 0.5413, 0.4084** is the 20% darker color. If you saturate the color by 10%, you get **16.4428, 0.5131, 0.4308**, and if you desaturate by 10%, it is **17.7721, 0.4962, 0.4339**.

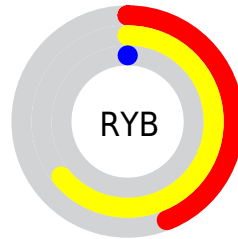
Distribution



Red (64%)

Green (38%)

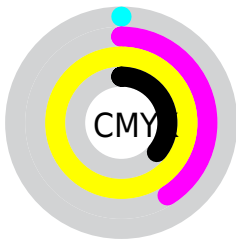
Blue (0%)



Red (44%)

Yellow (64%)

Blue (0%)

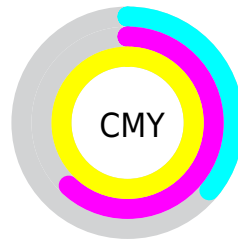


Cyan (0%)

Magenta (41%)

Yellow (100%)

Black (36%)



Cyan (36%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4419, 0.5131, 0.4308 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 16.4419, 0.5131, 0.4308 by changing the saturation by 10% instead.


 16.4419, 0.5131,
0.4308


 16.4419, 0.5131,
0.4308


231.9353, 0.4049,
0.3872


 9.8374, 0.5380,
0.4338


 37.3637, 0.4744,
0.4198

 5.2913, 0.5678,
0.4322


 52.4497, 0.4593,
0.4138


 2.4192, 0.5898,
0.4102

 71.1318, 0.4466,
0.4083

 0.8357, 0.6281,
0.3719

 93.7942, 0.4357,
0.4032

 0.0000, 1.0000,
0.0000


 120.8213, 0.4263,
0.3985

 0.0000, 0.0000,
0.0000


 152.5977, 0.4182,

0.3944

 189.5075, 0.4111,
0.3906


 16.4419, 0.5131,
0.4308


 16.4419, 0.5131,
0.4308

 16.4428, 0.5131,
0.4308

 17.7721, 0.4962,
0.4339

 19.2399, 0.4768,
0.4328

 20.8617, 0.4550,
0.4268

 22.6458, 0.4318,
0.4168

 24.5992, 0.4086,
0.4039

■ 26.7284, 0.3861,
0.3894

■ 29.0394, 0.3650,
0.3740

■ 31.5380, 0.3457,
0.3585

■ 34.2293, 0.3283,
0.3434

Harmonies

Analogous

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



16.4419, 0.5368, 0.3534



16.4419, 0.5131, 0.4308



16.4419, 0.4362, 0.5088

Triad

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



16.4419, 0.5131, 0.4308



16.4419, 0.1615, 0.3510



16.4419, 0.2523, 0.1808

Complementary

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



16.4419, 0.5131, 0.4308



6.6917, 0.1695, 0.1303

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.



16.4419, 0.1749, 0.1666



16.4419, 0.5131, 0.4308



16.4419, 0.1306, 0.2395

Square

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



16.4419, 0.5131, 0.4308



16.4419, 0.2349, 0.4881



16.4419, 0.1361, 0.1827



16.4419, 0.3665, 0.2215

Rectangle

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



16.4419, 0.5131, 0.4308



16.4419, 0.3705, 0.5441



16.4419, 0.1361, 0.1827



16.4419, 0.2219, 0.1729

Sweetspot

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



16.4428, 0.5131, 0.4308



52.4732, 0.3662, 0.3748



8.3128, 0.5288, 0.2687



11.0986, 0.3744, 0.3810



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.



16.4428, 0.5131, 0.4308



29.4312, 0.5153, 0.4291



33.0619, 0.4049, 0.5167



7.7497, 0.3271, 0.3423



12.7047, 0.5119, 0.4317



0.3565, 0.4707, 0.4644

Inverse Universe

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



6.6917, 0.1695, 0.1303



11.7607, 0.1686, 0.1270



2.7707, 0.1530, 0.0617



7.3129, 0.2987, 0.3154



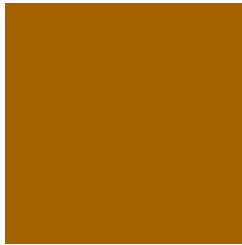
5.2208, 0.1700, 0.1321



0.2014, 0.1902, 0.2048

Previews

White Background



This preview shows how the Yxy color 16.4419, 0.5131, 0.4308 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



This preview shows how the Yxy color 16.4419, 0.5131, 0.4308 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.4419, 0.5131, 0.4308

Background



This preview shows how black text looks on a background with the Yxy color 16.4419, 0.5131, 0.4308.



This preview shows how white text looks on a background with the Yxy color 16.4419, 0.5131, 0.4308.

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

16.4419, 0.5131, 0.4308

Protanopia

16.6529, 0.4352, 0.4834

Deuteranopia

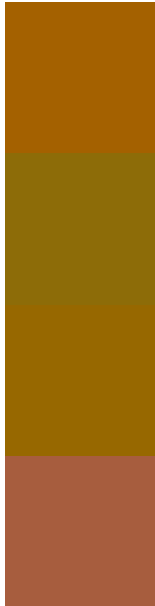
16.5648, 0.4692, 0.4657



Tritanopia

16.5002, 0.4240, 0.3185

Trichromacy



Original Color

16.4419, 0.5131, 0.4308

Protanomaly

16.4054, 0.4640, 0.4644

Deuteranomaly

16.4799, 0.4861, 0.4522

Tritanomaly

16.3920, 0.4737, 0.3747

Monochromacy



Original Color

16.4419, 0.5131, 0.4308

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.6178, 0.3994, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4419, 0.5131, 0.4308 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, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(164, 97, 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, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 97, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.4419, 0.5131, 0.4308 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, 97, 0) }
```

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

```
.border{ border-color:rgb(164, 97, 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, 97, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(164, 97, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.4419, 0.5131, 0.4308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 97, 0) }
```

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

```
.background{ background-color: rgb(164, 97,  
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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