

Converting Colors

$Y_{xy}(16.1239, 0.5224, 0.4234)$

Have a look what the booklet for
Yxy(16.1239, 0.5224, 0.4234)
contains.

Yxy(16.0442, 0.5231, 0.4228)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(16.0442, 0.5231, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	A75D00
RGB	167, 93, 0
RGB Percent	65%, 36%, 0%
CMY	0.3451, 0.6353, 0.9997
CMYK	0.00, 0.44, 1.00, 0.35
HSL	33°, 100%, 33%
HSV	33°, 100%, 65%
XYZ	19.8503, 16.0442, 2.0530
YIQ	104.5240, 73.9570, -13.2350

Conversions

Conversions Part 2

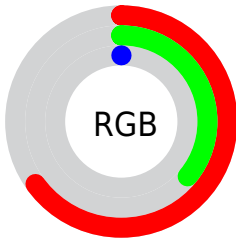
Format	Color
RYB	133, 167, 0
Decimal	10968320
CIELab	47.03, 24.96, 55.44
CIElCh	47, 60.804, 65.764
Yxy	16.0442, 0.5231, 0.4228
Android (android.graphics.Color)	4289158400 (0xFFA75D00)
YUV	104.5240, -51.5303, 54.7915
Hunter-Lab	40.0552, 18.3634, 24.9998

Details

The Yxy color **16.0442, 0.5231, 0.4228** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.6978, 0.1725, 0.1408**, and the grayscale version is **14.1212, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7774, 0.4819, 0.4139**, and **5.1421, 0.5543, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **16.0381, 0.5232, 0.4228**, and if you desaturate by 10%, it is **17.4479, 0.5047, 0.4268**.

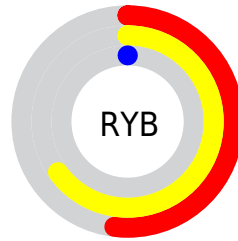
Distribution



Red (65%)

Green (36%)

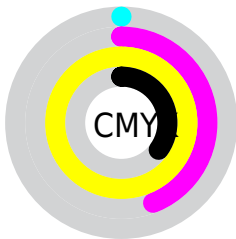
Blue (0%)



Red (52%)

Yellow (65%)

Blue (0%)

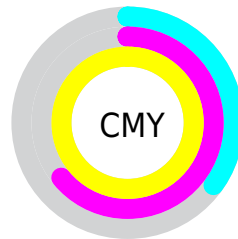


Cyan (0%)

Magenta (44%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (64%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0442, 0.5231, 0.4228 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 16.0442, 0.5231, 0.4228 by changing the saturation by 10% instead.


 16.0442, 0.5231,
0.4228


 16.0442, 0.5231,
0.4228


 229.6024, 0.4088,
0.3848


 9.5554, 0.5499,
0.4240


 36.6749, 0.4820,
0.4143


 5.1052, 0.5813,
0.4187

 51.5857, 0.4661,
0.4091

 2.3091, 0.6068,
0.3932

 70.0725, 0.4526,
0.4042

 0.7785, 0.6519,
0.3481

 92.5199, 0.4411,
0.3995

 0.0000, 1.0000,
0.0000


 119.3122, 0.4313,
0.3953

 0.0000, 0.0000,
0.0000


 150.8338, 0.4228,


0.3914


 187.4690, 0.4153,
0.3879


 16.0442, 0.5231,
0.4228

 16.0442, 0.5231,
0.4228


 16.0381, 0.5232,
0.4228

 17.4479, 0.5047,
0.4268

 19.0130, 0.4836,
0.4265

 20.7573, 0.4600,
0.4212

 22.6900, 0.4354,
0.4120

 24.8191, 0.4109,
0.3998

■ 27.1522, 0.3875,
0.3860

■ 29.6963, 0.3658,
0.3714

■ 32.4578, 0.3460,
0.3567

■ 35.4429, 0.3283,
0.3425

Harmonies

Analogous

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



16.0442, 0.5407, 0.3448



16.0442, 0.5231, 0.4228



16.0442, 0.4478, 0.5044

Triad

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



16.0442, 0.5231, 0.4228



16.0442, 0.1636, 0.3664



16.0442, 0.2402, 0.1748

Complementary

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



16.0442, 0.5231, 0.4228



7.6978, 0.1725, 0.1408

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.



16.0442, 0.1659, 0.1633



16.0442, 0.5231, 0.4228



16.0442, 0.1282, 0.2460

Square

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



16.0442, 0.5231, 0.4228



16.0442, 0.2424, 0.5058



16.0442, 0.1303, 0.1831



16.0442, 0.3542, 0.2135

Rectangle

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



16.0442, 0.5231, 0.4228



16.0442, 0.3816, 0.5458



16.0442, 0.1303, 0.1831



16.0442, 0.2107, 0.1678

Sweetspot

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



16.0451, 0.5231, 0.4228



52.9061, 0.3670, 0.3723



8.7275, 0.5152, 0.2612



11.4176, 0.3756, 0.3782



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



16.0451, 0.5231, 0.4228



28.3077, 0.5255, 0.4209



34.9708, 0.4107, 0.5121



8.2089, 0.3272, 0.3416



12.3723, 0.5219, 0.4238



0.4006, 0.4799, 0.4572

Inverse Universe

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



7.6978, 0.1725, 0.1408



13.3774, 0.1716, 0.1376



2.8461, 0.1518, 0.0610



7.8274, 0.2987, 0.3161



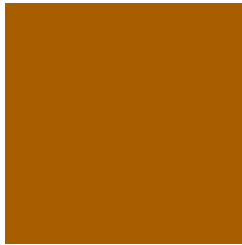
5.9803, 0.1729, 0.1424



0.2483, 0.1912, 0.2081

Previews

White Background



This preview shows how the Yxy color 16.0442, 0.5231, 0.4228 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 16.0442, 0.5231, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

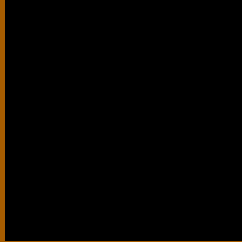
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0442, 0.5231, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 16.0442, 0.5231, 0.4228.



This preview shows how white text looks on a background with the Yxy color 16.0442, 0.5231, 0.4228.

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

16.0442, 0.5231, 0.4228

Protanopia

16.0530, 0.4353, 0.4829

Tritanopia

15.9919, 0.4362, 0.3188

Trichromacy



Original Color

16.0442, 0.5231, 0.4228

Protanomaly

15.7834, 0.4689, 0.4603

Tritanomaly

15.8955, 0.4850, 0.3720

Monochromacy



Original Color

16.0442, 0.5231, 0.4228

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.3018, 0.4027, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0442, 0.5231, 0.4228 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(167, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(167, 93, 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(167, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.0442, 0.5231, 0.4228 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(167, 93, 0) }
```

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

```
.border{ border-color:rgb(167, 93, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 93, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(167, 93, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 16.0442, 0.5231, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 93, 0) }
```

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

```
.background{ background-color: rgb(167, 93,  
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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