

Converting Colors

$Y_{xy}(16.2218, 0.4623, 0.4447)$

Have a look what the booklet for
Yxy(16.2218, 0.4623, 0.4447)
contains.

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Color

Yxy(16.1212, 0.4623, 0.4443)

Conversions

Conversions Part 1

Format	Color
Hex	90691D
RGB	144, 105, 29
RGB Percent	56%, 41%, 11%
CMY	0.4353, 0.5882, 0.8863
CMYK	0.00, 0.27, 0.80, 0.44
HSL	40°, 66%, 34%
HSV	40°, 80%, 56%
XYZ	16.7743, 16.1212, 3.3890
YIQ	107.9970, 47.6400, -15.3680

Conversions

Conversions Part 2

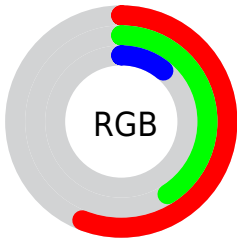
Format	Color
RYB	88, 144, 29
Decimal	9464093
CIELab	47.13, 8.34, 45.94
CIElCh	47, 46.688, 79.716
Yxy	16.1212, 0.4623, 0.4443
Android (android.graphics.Color)	4287654173 (0xFF90691D)
YUV	107.9970, -38.9455, 31.5746
Hunter-Lab	40.1512, 4.3089, 23.1015

Details

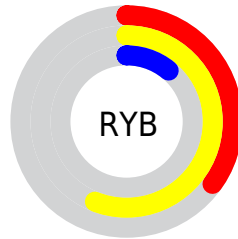
The Yxy color **16.1212, 0.4623, 0.4443** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.4059, 0.1845, 0.1554**, and the grayscale version is **15.0968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7590, 0.4314, 0.4241**, and **5.1998, 0.4926, 0.4471** is the 20% darker color. If you saturate the color by 10%, you get **15.1005, 0.4786, 0.4474**, and if you desaturate by 10%, it is **17.2339, 0.4436, 0.4367**.

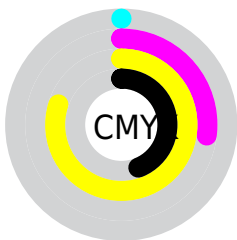
Distribution



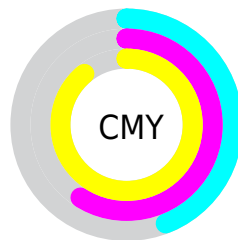
- Red (56%)
- Green (41%)
- Blue (11%)



- Red (35%)
- Yellow (56%)
- Blue (11%)



- Cyan (0%)
- Magenta (27%)
- Yellow (80%)
- Black (44%)





- Cyan (44%)
- Magenta (59%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1212, 0.4623, 0.4443 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 16.1212, 0.4623, 0.4443 by changing the saturation by 10% instead.


 16.1212, 0.4623,
0.4443


 16.1212, 0.4623,
0.4443


230.0558, 0.3795,
0.3845


 9.6100, 0.4825,
0.4560


 36.8085, 0.4315,
0.4237


 5.1411, 0.5173,
0.4772

 51.7533, 0.4200,
0.4154


 2.3303, 0.5298,
0.4702

 70.2781, 0.4103,
0.4083

 0.7897, 0.5484,
0.4516

 92.7673, 0.4022,
0.4022


 0.0000, 0.0000,
0.0000


 119.6053, 0.3952,
0.3968


 151.1765, 0.3893,


0.3922


 187.8652, 0.3841,
0.3881


 16.1212, 0.4623,
0.4443


 16.1212, 0.4623,
0.4443


 15.1005, 0.4786,
0.4474


 17.2339, 0.4436,
0.4367


 14.1576, 0.4928,
0.4468

 18.4412, 0.4234,
0.4252

 14.1457, 0.4930,
0.4468

 19.7484, 0.4027,
0.4110

 21.1595, 0.3823,
0.3950

 22.6781, 0.3627,
0.3782

■ 24.3077, 0.3445,
0.3612

■ 26.0516, 0.3277,
0.3446

■ 27.9126, 0.3125,
0.3288

■ 29.8939, 0.2988,
0.3139

Harmonies

Analogous

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



16.1212, 0.4946, 0.3795



16.1212, 0.4623, 0.4443



16.1212, 0.3924, 0.4937

Triad

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



16.1212, 0.4623, 0.4443



16.1212, 0.1755, 0.3131



16.1212, 0.2960, 0.2153

Complementary

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



16.1212, 0.4623, 0.4443



6.4059, 0.1845, 0.1554

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.



16.1212, 0.2190, 0.1947



16.1212, 0.4623, 0.4443



16.1212, 0.1585, 0.2373

Square

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



16.1212, 0.4623, 0.4443



16.1212, 0.2271, 0.4161



16.1212, 0.1733, 0.2001



16.1212, 0.3915, 0.2580

Rectangle

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



16.1212, 0.4623, 0.4443



16.1212, 0.3357, 0.5004



16.1212, 0.1733, 0.2001



16.1212, 0.2672, 0.2058

Sweetspot

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



16.1220, 0.4623, 0.4443



41.5226, 0.3528, 0.3690



7.2396, 0.4888, 0.2717



9.3120, 0.3587, 0.3745



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



16.1220, 0.4623, 0.4443



25.2855, 0.4895, 0.4463



24.5263, 0.3912, 0.5074



5.9816, 0.3266, 0.3435



12.3636, 0.4925, 0.4472



0.1591, 0.4530, 0.4785

Inverse Universe

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



6.4059, 0.1845, 0.1554



7.7373, 0.1667, 0.1168



3.4780, 0.1797, 0.0945



5.5352, 0.2990, 0.3141



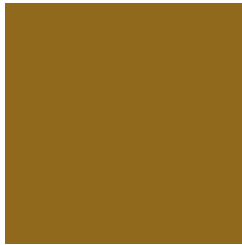
3.6933, 0.1650, 0.1138



0.0731, 0.1877, 0.1958

Previews

White Background



This preview shows how the Yxy color 16.1212, 0.4623, 0.4443 looks on a white background.

Color Contrast Check

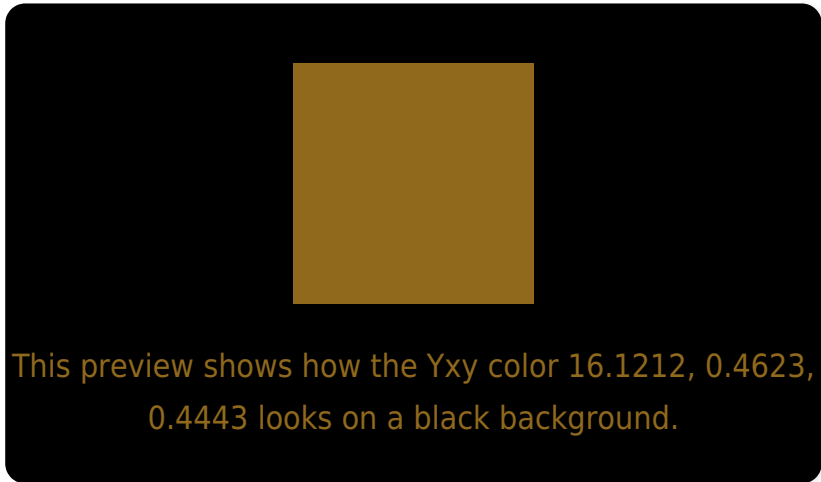
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

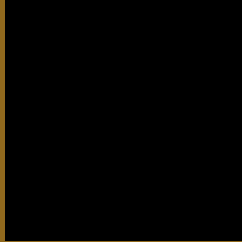
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1212, 0.4623, 0.4443

Background



This preview shows how black text looks on a background with the Yxy color 16.1212, 0.4623, 0.4443.



This preview shows how white text looks on a background with the Yxy color 16.1212, 0.4623, 0.4443.

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

16.1212, 0.4623, 0.4443

Protanopia

16.1229, 0.4257, 0.4686

Deuteranopia

16.0546, 0.4574, 0.4492



Tritanopia

16.1448, 0.3793, 0.3171

Trichromacy



Original Color

16.1212, 0.4623, 0.4443

Protanomaly

16.0176, 0.4405, 0.4589

Deuteranomaly

16.1427, 0.4588, 0.4483

Tritanomaly

16.0462, 0.4169, 0.3711

Monochromacy



Original Color

16.1212, 0.4623, 0.4443

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.1449, 0.3708, 0.3858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1212, 0.4623, 0.4443 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(144, 105, 29)` looks like.

```
.text, #text, p{  
    color:rgb(144, 105, 29)  
}
```

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(144, 105, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 105, 29) }
```

Border

The CSS property to change the border of an element to Yxy 16.1212, 0.4623, 0.4443 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(144, 105, 29) }
```

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

```
.border{ border-color:rgb(144, 105, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 105, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 105, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 105, 29);  
box-shadow:4px 4px 4px 4px rgb(144, 105,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1212, 0.4623, 0.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 105, 29) }
```

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

```
.background{ background-color: rgb(144,  
105, 29) }
```

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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