

Converting Colors

$Y_{xy}(16.8303, 0.4846, 0.4358)$

Have a look what the booklet for
Yxy(16.8303, 0.4846, 0.4358)
contains.

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Color

Yxy(16.8303, 0.4846, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	9C6717
RGB	156, 103, 23
RGB Percent	61%, 40%, 9%
CMY	0.3883, 0.5961, 0.9097
CMYK	0.00, 0.34, 0.85, 0.39
HSL	36°, 74%, 35%
HSV	36°, 85%, 61%
XYZ	18.7149, 16.8303, 3.0741
YIQ	109.7270, 57.2680, -13.6440

Conversions

Conversions Part 2

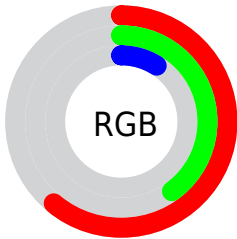
Format	Color
RYB	111, 156, 23
Decimal	10250007
CIELab	48.05, 14.83, 49.52
CIELCh	48, 51.695, 73.334
Yxy	16.8303, 0.4846, 0.4358
Android (android.graphics.Color)	4288440087 (0xFF9C6717)
YUV	109.7270, -42.7564, 40.5814
Hunter-Lab	41.0247, 9.6359, 24.2746

Details

The Yxy color **16.8303, 0.4846, 0.4358** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.7540, 0.1818, 0.1577**, and the grayscale version is **15.6244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.0663, 0.4501, 0.4194**, and **5.5377, 0.5160, 0.4285** is the 20% darker color. If you saturate the color by 10%, you get **15.5943, 0.5019, 0.4347**, and if you desaturate by 10%, it is **18.1964, 0.4644, 0.4319**.

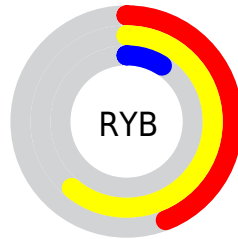
Distribution



Red (61%)

Green (40%)

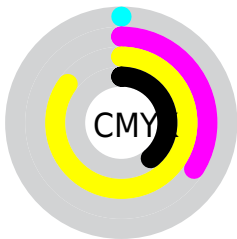
Blue (9%)



Red (44%)

Yellow (61%)

Blue (9%)

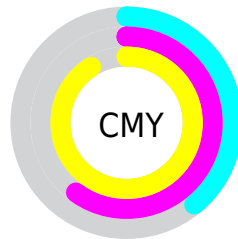


Cyan (0%)

Magenta (34%)

Yellow (85%)

Black (39%)



Cyan (39%)


Magenta (60%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8303, 0.4846, 0.4358 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 16.8303, 0.4846, 0.4358 by changing the saturation by 10% instead.


 16.8303, 0.4846,
0.4358


 16.8303, 0.4846,
0.4358


234.1925, 0.3903,
0.3843


 10.1136, 0.5070,
0.4433


 38.0338, 0.4499,
0.4197


 5.4743, 0.5436,
0.4564

 53.2893, 0.4368,
0.4126


 2.5282, 0.5592,
0.4408

 72.1599, 0.4258,
0.4063

 0.8907, 0.5867,
0.4133

 95.0299, 0.4165,
0.4008

 0.0000, 1.0000,
0.0000


 122.2838, 0.4085,
0.3959

 0.0000, 0.0000,
0.0000


 154.3060, 0.4016,


0.3916

 191.4807, 0.3956,
0.3878

 16.8303, 0.4846,
0.4358


 16.8303, 0.4846,
0.4358


 15.5943, 0.5019,
0.4347


 18.1964, 0.4644,
0.4319

 15.0425, 0.5098,
0.4334

 19.6979, 0.4422,
0.4236

 21.3423, 0.4194,
0.4119

 23.1354, 0.3968,
0.3979

 25.0826, 0.3753,
0.3827

■ 27.1889, 0.3553,
0.3670

■ 29.4590, 0.3370,
0.3515

■ 31.8974, 0.3206,
0.3365

■ 34.5084, 0.3059,
0.3224

Harmonies

Analogous

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



16.8303, 0.5098, 0.3657



16.8303, 0.4846, 0.4358



16.8303, 0.4146, 0.4979

Triad

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



16.8303, 0.4846, 0.4358



16.8303, 0.1732, 0.3332



16.8303, 0.2738, 0.2004

Complementary

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



16.8303, 0.4846, 0.4358



7.7540, 0.1818, 0.1577

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.



16.8303, 0.1985, 0.1839



16.8303, 0.4846, 0.4358



16.8303, 0.1485, 0.2425

Square

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



16.8303, 0.4846, 0.4358



16.8303, 0.2353, 0.4481



16.8303, 0.1575, 0.1955



16.8303, 0.3759, 0.2411

Rectangle

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



16.8303, 0.4846, 0.4358



16.8303, 0.3552, 0.5176



16.8303, 0.1575, 0.1955



16.8303, 0.2449, 0.1921

Sweetspot

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



16.8312, 0.4846, 0.4358



48.8808, 0.3577, 0.3690



8.2062, 0.4915, 0.2631



10.4831, 0.3640, 0.3740



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



16.8312, 0.4846, 0.4358



26.9296, 0.5121, 0.4316



29.6504, 0.4001, 0.5088



7.2763, 0.3270, 0.3424



12.4601, 0.5090, 0.4340



0.3039, 0.4655, 0.4686

Inverse Universe

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



7.7540, 0.1818, 0.1577



10.2888, 0.1680, 0.1247



3.3950, 0.1671, 0.0805



6.8474, 0.2988, 0.3152



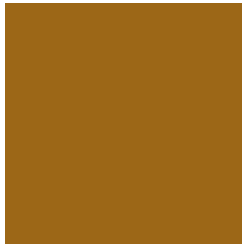
4.8943, 0.1693, 0.1294



0.1677, 0.1909, 0.2071

Previews

White Background



This preview shows how the Yxy color 16.8303, 0.4846, 0.4358 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 16.8303, 0.4846, 0.4358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

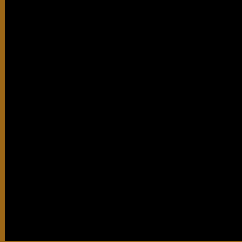
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8303, 0.4846, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 16.8303, 0.4846, 0.4358.



This preview shows how white text looks on a background with the Yxy color 16.8303, 0.4846, 0.4358.

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

16.8303, 0.4846, 0.4358

Protanopia

17.0032, 0.4291, 0.4746

Deuteranopia

16.9171, 0.4616, 0.4567



Tritanopia

16.8186, 0.3993, 0.3179

Trichromacy



Original Color

16.8303, 0.4846, 0.4358

Protanomaly

16.9280, 0.4491, 0.4606

Deuteranomaly

16.8654, 0.4694, 0.4496

Tritanomaly

16.7890, 0.4400, 0.3694

Monochromacy



Original Color

16.8303, 0.4846, 0.4358

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.5775, 0.3811, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8303, 0.4846, 0.4358 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(156, 103, 23)` looks like.

```
.text, #text, p{  
    color:rgb(156, 103, 23)  
}
```

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(156, 103, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 103, 23) }
```

Border

The CSS property to change the border of an element to Yxy 16.8303, 0.4846, 0.4358 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(156, 103, 23) }
```

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

```
.border{ border-color:rgb(156, 103, 23) }
```

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

Here you see how a box with a 4 pixel rgb(156, 103, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 103, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 103, 23);  
box-shadow:4px 4px 4px 4px rgb(156, 103,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8303, 0.4846, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 103, 23) }
```

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

```
.background{ background-color: rgb(156,  
103, 23) }
```

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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