

Converting Colors

$Y_{xy}(16.9588, 0.4428, 0.4353)$

Have a look what the booklet for
Yxy(16.9588, 0.4428, 0.4353)
contains.

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Color

Yxy(16.9588, 0.4428, 0.4353)

Conversions

Conversions Part 1

Format	Color
Hex	8F6D2C
RGB	143, 109, 44
RGB Percent	56%, 43%, 17%
CMY	0.4392, 0.5725, 0.8274
CMYK	0.00, 0.24, 0.69, 0.44
HSL	39°, 53%, 37%
HSV	39°, 69%, 56%
XYZ	17.2510, 16.9588, 4.7491
YIQ	111.7560, 41.1290, -13.0070

Conversions

Conversions Part 2

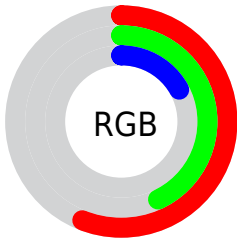
Format	Color
RYB	96, 143, 44
Decimal	9399596
CIELab	48.21, 6.33, 40.30
CIELCh	48, 40.797, 81.069
Yxy	16.9588, 0.4428, 0.4353
Android (android.graphics.Color)	4287589676 (0xFF8F6D2C)
YUV	111.7560, -33.4037, 27.4010
Hunter-Lab	41.1811, 2.7078, 21.9893

Details

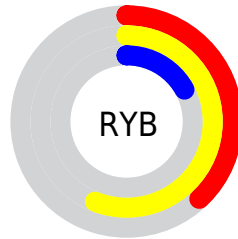
The Yxy color **16.9588, 0.4428, 0.4353** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.9701, 0.1993, 0.1821**, and the grayscale version is **16.2197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2113, 0.4157, 0.4141**, and **5.5691, 0.4797, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **15.8511, 0.4618, 0.4432**, and if you desaturate by 10%, it is **18.1638, 0.4224, 0.4237**.

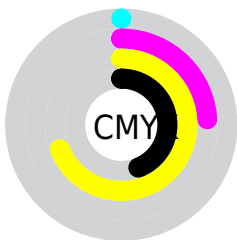
Distribution



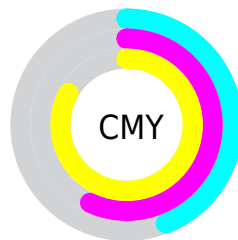
- Red (56%)
- Green (43%)
- Blue (17%)



- Red (38%)
- Yellow (56%)
- Blue (17%)



- Cyan (0%)
- Magenta (24%)
- Yellow (69%)
- Black (44%)




- Cyan (44%)
- Magenta (57%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9588, 0.4428, 0.4353 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 16.9588, 0.4428, 0.4353 by changing the saturation by 10% instead.


 16.9588, 0.4428,
0.4353

 16.9588, 0.4428,
0.4353


234.9348, 0.3700,
0.3784


 10.2051, 0.4618,
0.4484


 38.2549, 0.4151,
0.4147


 5.5352, 0.4868,
0.4643

 53.5662, 0.4050,
0.4068

 2.5646, 0.5188,
0.4812

 72.4987, 0.3966,
0.4001

 0.9089, 0.5315,
0.4685

 95.4369, 0.3895,
0.3944

 0.0000, 0.0000,
0.0000

 122.7653, 0.3835,
0.3895

 154.8681, 0.3784,

0.3853

192.1298, 0.3739,
0.3816

■ 16.9588, 0.4428,
0.4353

■ 16.9588, 0.4428,
0.4353

■ 15.8511, 0.4618,
0.4432

■ 18.1638, 0.4224,
0.4237

■ 14.8333, 0.4785,
0.4465

■ 19.4679, 0.4015,
0.4094

■ 13.8955, 0.4929,
0.4459

■ 20.8760, 0.3811,
0.3934

■ 13.8243, 0.4941,
0.4459

■ 22.3917, 0.3616,
0.3767

■ 24.0183, 0.3434,
0.3599

■ 25.7590, 0.3267,
0.3435

■ 27.6169, 0.3116,
0.3278

■ 29.5949, 0.2980,
0.3131

■ 31.6956, 0.2859,
0.2994

Harmonies

Analogous

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



16.9588, 0.4705, 0.3795



16.9588, 0.4428, 0.4353



16.9588, 0.3817, 0.4729

Triad

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



16.9588, 0.4428, 0.4353



16.9588, 0.1911, 0.3134



16.9588, 0.3026, 0.2299

Complementary

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



16.9588, 0.4428, 0.4353



7.9701, 0.1993, 0.1821

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.



16.9588, 0.2335, 0.2104



16.9588, 0.4428, 0.4353



16.9588, 0.1762, 0.2482

Square

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



16.9588, 0.4428, 0.4353



16.9588, 0.2366, 0.3992



16.9588, 0.1907, 0.2150



16.9588, 0.3846, 0.2691

Rectangle

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



16.9588, 0.4428, 0.4353



16.9588, 0.3318, 0.4739



16.9588, 0.1907, 0.2150



16.9588, 0.2771, 0.2209

Sweetspot

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



16.9596, 0.4428, 0.4353



42.3477, 0.3473, 0.3636



8.2021, 0.4538, 0.2731



9.5455, 0.3517, 0.3677



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.



16.9596, 0.4428, 0.4353



27.3587, 0.4714, 0.4456



24.4271, 0.3862, 0.4913



5.9777, 0.3266, 0.3434



12.2637, 0.4936, 0.4462



0.1584, 0.4536, 0.4781

Inverse Universe

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



7.9701, 0.1993, 0.1821



10.3045, 0.1791, 0.1454



4.7120, 0.1970, 0.1213



5.5390, 0.2990, 0.3142



3.7403, 0.1653, 0.1150



0.0738, 0.1881, 0.1971

Previews

White Background



This preview shows how the Yxy color 16.9588, 0.4428, 0.4353 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 16.9588, 0.4428, 0.4353 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 16.9588, 0.4428, 0.4353

Background



This preview shows how black text looks on a background with the Yxy color 16.9588, 0.4428, 0.4353.



This preview shows how white text looks on a background with the Yxy color 16.9588, 0.4428, 0.4353.

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

16.9588, 0.4428, 0.4353

Protanopia

17.0479, 0.4126, 0.4530

Deuteranopia

16.9588, 0.4428, 0.4353



Tritanopia

16.9244, 0.3685, 0.3153

Trichromacy



Original Color

16.9588, 0.4428, 0.4353

Protanomaly

16.9863, 0.4229, 0.4476

Deuteranomaly

16.9588, 0.4428, 0.4353

Tritanomaly

16.8860, 0.3992, 0.3627

Monochromacy



Original Color

16.9588, 0.4428, 0.4353

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.2680, 0.3607, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9588, 0.4428, 0.4353 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(143, 109, 44)` looks like.

```
.text, #text, p{  
    color:rgb(143, 109, 44)  
}
```

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(143, 109, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 109, 44) }
```

Border

The CSS property to change the border of an element to Yxy 16.9588, 0.4428, 0.4353 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(143, 109, 44) }
```

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

```
.border{ border-color:rgb(143, 109, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 109, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 109, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 109, 44);  
box-shadow:4px 4px 4px 4px rgb(143, 109,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9588, 0.4428, 0.4353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 109, 44) }
```

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

```
.background{ background-color: rgb(143,  
109, 44) }
```

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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