

Converting Colors

$Y_{xy}(16.2932, 0.4765, 0.4129)$

Have a look what the booklet for
Yxy(16.2932, 0.4765, 0.4129)
contains.

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Color

Yxy(16.2589, 0.4770, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	9D632A
RGB	157, 99, 42
RGB Percent	62%, 39%, 16%
CMY	0.3843, 0.6117, 0.8354
CMYK	0.00, 0.37, 0.73, 0.38
HSL	30°, 58%, 39%
HSV	30°, 73%, 62%
XYZ	18.7830, 16.2589, 4.3354
YIQ	109.8440, 52.8650, -5.4310

Conversions

Conversions Part 2

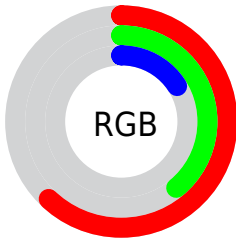
Format	Color
R_{YB}	157, 155, 42
Decimal	10314538
CIE Lab	47.31, 18.34, 40.86
CIE LCh	47, 44.790, 65.831
Yxy	16.2589, 0.4770, 0.4129
Android (android.graphics.Color)	4288504618 (0xFF9D632A)
YUV	109.8440, -33.4471, 41.3558
Hunter-Lab	40.3223, 12.5850, 21.8508

Details

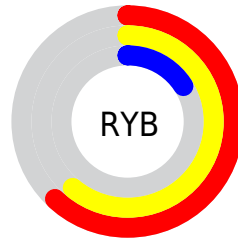
The Yxy color **16.2589, 0.4770, 0.4129** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.0305, 0.2025, 0.2102**, and the grayscale version is **15.6318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0151, 0.4402, 0.3992**, and **5.2227, 0.5285, 0.4186** is the 20% darker color. If you saturate the color by 10%, you get **14.7416, 0.5029, 0.4155**, and if you desaturate by 10%, it is **17.9688, 0.4499, 0.4060**.

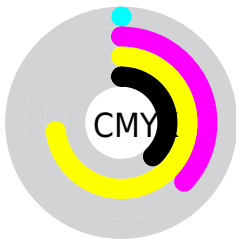
Distribution



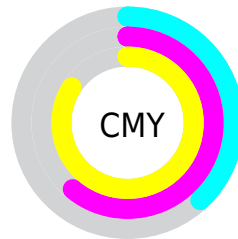
- Red (62%)
- Green (39%)
- Blue (16%)



- Red (62%)
- Yellow (61%)
- Blue (16%)



- Cyan (0%)
- Magenta (37%)
- Yellow (73%)
- Black (38%)




- Cyan (38%)
- Magenta (61%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.2589, 0.4770, 0.4129 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 16.2589, 0.4770, 0.4129 by changing the saturation by 10% instead.


 16.2589, 0.4770,
0.4129


 16.2589, 0.4770,
0.4129


230.8646, 0.3836,
0.3718


 9.7075, 0.5021,
0.4196


 37.0471, 0.4410,
0.3996


 5.2055, 0.5374,
0.4269

 52.0527, 0.4280,
0.3939


 2.3683, 0.5768,
0.4232

 70.6452, 0.4173,
0.3890

 0.8095, 0.6118,
0.3882

 93.2090, 0.4083,
0.3846

 0.0000, 1.0000,
0.0000

 120.1284, 0.4007,
0.3808

 0.0000, 0.0000,
0.0000

 151.7879, 0.3942,

0.3774

188.5718, 0.3885,
0.3744

■ 16.2589, 0.4770,
0.4129

■ 16.2589, 0.4770,
0.4129

■ 14.7416, 0.5029,
0.4155

■ 17.9688, 0.4499,
0.4060

■ 13.4049, 0.5258,
0.4129

■ 19.8776, 0.4230,
0.3960

■ 12.5955, 0.5401,
0.4094

■ 21.9939, 0.3975,
0.3841

■ 24.3252, 0.3740,
0.3711

■ 26.8782, 0.3529,
0.3580

■ 29.6596, 0.3341,
0.3451

■ 32.6755, 0.3176,
0.3329

■ 35.9320, 0.3032,
0.3213

■ 39.4346, 0.2907,
0.3107

Harmonies

Analogous

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



16.2589, 0.4834, 0.3496



16.2589, 0.4770, 0.4129



16.2589, 0.4244, 0.4696

Triad

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



16.2589, 0.4770, 0.4129



16.2589, 0.1997, 0.3587



16.2589, 0.2592, 0.2071

Complementary

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



16.2589, 0.4770, 0.4129



12.0305, 0.2025, 0.2102

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.



16.2589, 0.1982, 0.1984



16.2589, 0.4770, 0.4129



16.2589, 0.1675, 0.2705

Square

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



16.2589, 0.4770, 0.4129



16.2589, 0.2642, 0.4522



16.2589, 0.1678, 0.2175



16.2589, 0.3456, 0.2393

Rectangle

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



16.2589, 0.4770, 0.4129



16.2589, 0.3740, 0.4917



16.2589, 0.1678, 0.2175



16.2589, 0.2355, 0.2014

Sweetspot

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



16.2597, 0.4770, 0.4129



48.5457, 0.3512, 0.3569



9.7684, 0.4246, 0.2426



10.4229, 0.3561, 0.3601



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.



16.2597, 0.4770, 0.4129



24.8286, 0.5180, 0.4144



30.8025, 0.4096, 0.4842



7.1622, 0.3272, 0.3401



10.3048, 0.5389, 0.4103



0.2688, 0.4818, 0.4556

Inverse Universe

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



12.0305, 0.2025, 0.2102



16.8155, 0.1859, 0.1795



4.7183, 0.1762, 0.1048



6.9601, 0.2988, 0.3176



6.6099, 0.1785, 0.1625



0.2028, 0.1982, 0.2336

Previews

White Background



This preview shows how the Yxy color 16.2589, 0.4770, 0.4129 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 16.2589, 0.4770, 0.4129 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 16.2589, 0.4770, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 16.2589, 0.4770, 0.4129.



This preview shows how white text looks on a background with the Yxy color 16.2589, 0.4770, 0.4129.

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

16.2589, 0.4770, 0.4129

Protanopia

16.3675, 0.4106, 0.4523

Deuteranopia

16.3313, 0.4464, 0.4385



Tritanopia

16.2224, 0.4059, 0.3179

Trichromacy



Original Color

16.2589, 0.4770, 0.4129

Protanomaly

16.2330, 0.4348, 0.4370

Deuteranomaly

16.2638, 0.4578, 0.4284

Tritanomaly

16.1199, 0.4363, 0.3552

Monochromacy



Original Color

16.2589, 0.4770, 0.4129

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.4760, 0.3721, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2589, 0.4770, 0.4129 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(157, 99, 42)` looks like.

```
.text, #text, p{  
    color:rgb(157, 99, 42)  
}
```

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(157, 99, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 99, 42) }
```

Border

The CSS property to change the border of an element to Yxy 16.2589, 0.4770, 0.4129 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(157, 99, 42) }
```

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

```
.border{ border-color:rgb(157, 99, 42) }
```

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

Here you see how a box with a 4 pixel rgb(157, 99, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 99, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 99, 42);  
box-shadow:4px 4px 4px 4px rgb(157, 99,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2589, 0.4770, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 99, 42) }
```

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

```
.background{ background-color: rgb(157, 99,  
42) }
```

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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