

Converting Colors

$Y_{xy}(16.2286, 0.4480, 0.4137)$

Have a look what the booklet for
Yxy(16.2286, 0.4480, 0.4137)
contains.

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Color

Yxy(16.1515, 0.4477, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	936734
RGB	147, 103, 52
RGB Percent	58%, 40%, 20%
CMY	0.4235, 0.5961, 0.7961
CMYK	0.00, 0.30, 0.65, 0.42
HSL	32°, 48%, 39%
HSV	32°, 65%, 58%
XYZ	17.5043, 16.1515, 5.4425
YIQ	110.3420, 42.5950, -6.5330

Conversions

Conversions Part 2

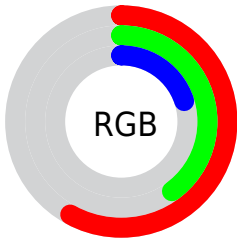
Format	Color
R_YB	134, 147, 52
Decimal	9660212
CIE Lab	47.17, 12.18, 35.25
CIE LCh	47, 37.289, 70.942
Yxy	16.1515, 0.4477, 0.4131
Android (android.graphics.Color)	4287850292 (0xFF936734)
YUV	110.3420, -28.7626, 32.1491
Hunter-Lab	40.1889, 7.4151, 20.1031

Details

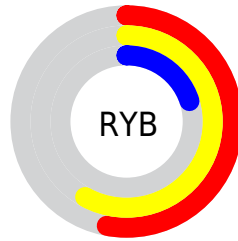
The Yxy color **16.1515, 0.4477, 0.4131** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.2034, 0.2120, 0.2185**, and the grayscale version is **15.7719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8687, 0.4178, 0.3975**, and **5.1643, 0.4995, 0.4335** is the 20% darker color. If you saturate the color by 10%, you get **14.7399, 0.4727, 0.4204**, and if you desaturate by 10%, it is **17.7163, 0.4225, 0.4025**.

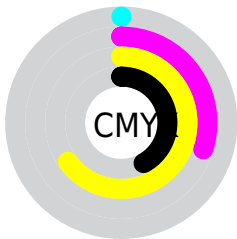
Distribution



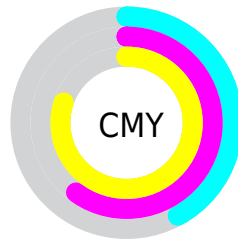
- Red (58%)
- Green (40%)
- Blue (20%)



- Red (53%)
- Yellow (58%)
- Blue (20%)



- Cyan (0%)
- Magenta (30%)
- Yellow (65%)
- Black (42%)





- Cyan (42%)
- Magenta (60%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1515, 0.4477, 0.4131 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 16.1515, 0.4477, 0.4131 by changing the saturation by 10% instead.


 16.1515, 0.4477,
0.4131


 16.1515, 0.4477,
0.4131


230.2340, 0.3701,
0.3687


 9.6314, 0.4696,
0.4230


 36.8610, 0.4173,
0.3972


 5.1553, 0.4983,
0.4335


 51.8192, 0.4065,
0.3910


 2.3387, 0.5484,
0.4516

 70.3590, 0.3976,
0.3858

 0.7941, 0.5740,
0.4260

 92.8646, 0.3903,
0.3813

 0.0000, 0.0000,
0.0000

 119.7205, 0.3840,
0.3775

 151.3112, 0.3787,

0.3742

188.0209, 0.3741,
0.3712

■ 16.1515, 0.4477,
0.4131

■ 16.1515, 0.4477,
0.4131

■ 14.7399, 0.4727,
0.4204

■ 17.7163, 0.4225,
0.4025

■ 13.4725, 0.4962,
0.4234

■ 19.4379, 0.3982,
0.3899

■ 12.3424, 0.5168,
0.4214

■ 21.3227, 0.3755,
0.3761

■ 11.7842, 0.5275,
0.4193

■ 23.3759, 0.3548,
0.3620

■ 25.6023, 0.3362,
0.3482

■ 28.0066, 0.3197,
0.3349

■ 30.5933, 0.3051,
0.3224

■ 33.3667, 0.2923,
0.3107

■ 36.3308, 0.2811,
0.3000

Harmonies

Analogous

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



16.1515, 0.4585, 0.3591



16.1515, 0.4477, 0.4131



16.1515, 0.3998, 0.4552

Triad

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



16.1515, 0.4477, 0.4131



16.1515, 0.2102, 0.3411



16.1515, 0.2795, 0.2272

Complementary

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



16.1515, 0.4477, 0.4131



11.2034, 0.2120, 0.2185

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.



16.1515, 0.2220, 0.2163



16.1515, 0.4477, 0.4131



16.1515, 0.1860, 0.2715

Square

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



16.1515, 0.4477, 0.4131



16.1515, 0.2624, 0.4184



16.1515, 0.1903, 0.2297



16.1515, 0.3542, 0.2587

Rectangle

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



16.1515, 0.4477, 0.4131



16.1515, 0.3556, 0.4657



16.1515, 0.1903, 0.2297



16.1515, 0.2577, 0.2211

Sweetspot

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



16.1523, 0.4477, 0.4131



43.9065, 0.3448, 0.3547



9.5101, 0.4151, 0.2565



9.7867, 0.3497, 0.3584



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.1523, 0.4477, 0.4131



25.2330, 0.4847, 0.4225



27.0347, 0.3964, 0.4756



6.3000, 0.3270, 0.3409



10.2642, 0.5268, 0.4199



0.1847, 0.4706, 0.4645

Inverse Universe

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



11.2034, 0.2120, 0.2185



15.6731, 0.1930, 0.1880



5.3788, 0.1938, 0.1291



6.0492, 0.2989, 0.3168



5.4686, 0.1750, 0.1498



0.1249, 0.1972, 0.2299

Previews

White Background



This preview shows how the Yxy color 16.1515, 0.4477, 0.4131 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 16.1515, 0.4477, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

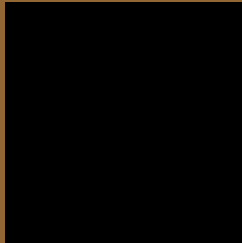
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1515, 0.4477, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 16.1515, 0.4477, 0.4131.



This preview shows how white text looks on a background with the Yxy color 16.1515, 0.4477, 0.4131.

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

16.1515, 0.4477, 0.4131

Protanopia

16.1493, 0.4010, 0.4377

Deuteranopia

16.2434, 0.4326, 0.4258



Tritanopia

16.1282, 0.3842, 0.3172

Trichromacy



Original Color

16.1515, 0.4477, 0.4131

Protanomaly

16.1092, 0.4170, 0.4292

Deuteranomaly

16.2979, 0.4381, 0.4223

Tritanomaly

16.0636, 0.4110, 0.3534

Monochromacy



Original Color

16.1515, 0.4477, 0.4131

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.4476, 0.3600, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1515, 0.4477, 0.4131 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(147, 103, 52)` looks like.

```
.text, #text, p{  
    color:rgb(147, 103, 52)  
}
```

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(147, 103, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 103, 52) }
```

Border

The CSS property to change the border of an element to Yxy 16.1515, 0.4477, 0.4131 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(147, 103, 52) }
```

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

```
.border{ border-color:rgb(147, 103, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 103, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 103, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 103, 52);  
box-shadow:4px 4px 4px 4px rgb(147, 103,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1515, 0.4477, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 103, 52) }
```

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

```
.background{ background-color: rgb(147,  
103, 52) }
```

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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