

Converting Colors

$Y_{xy}(16.4686, 0.4532, 0.3816)$

Have a look what the booklet for
Yxy(16.4686, 0.4532, 0.3816)
contains.

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Color

Yxy(16.4879, 0.4536, 0.3812)

Conversions

Conversions Part 1

Format	Color
Hex	9F6241
RGB	159, 98, 65
RGB Percent	62%, 38%, 25%
CMY	0.3765, 0.6157, 0.7452
CMYK	0.00, 0.38, 0.59, 0.38
HSL	21°, 42%, 44%
HSV	21°, 59%, 62%
XYZ	19.6194, 16.4879, 7.1453
YIQ	112.4770, 46.9490, 2.6690

Conversions

Conversions Part 2

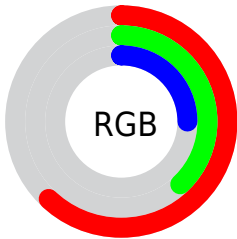
Format	Color
R_{YB}	159, 116, 65
Decimal	10445377
CIE Lab	47.61, 21.32, 29.00
CIE LCh	48, 35.994, 53.672
Yxy	16.4879, 0.4536, 0.3812
Android (android.graphics.Color)	4288635457 (0xFF9F6241)
YUV	112.4770, -23.4062, 40.8007
Hunter-Lab	40.6053, 15.1871, 17.9904

Details

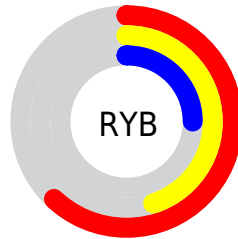
The Yxy color **16.4879, 0.4536, 0.3812** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.5400, 0.2271, 0.2650**, and the grayscale version is **16.4106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4615, 0.4207, 0.3717**, and **5.3612, 0.5121, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **14.5222, 0.4873, 0.3863**, and if you desaturate by 10%, it is **18.7559, 0.4219, 0.3737**.

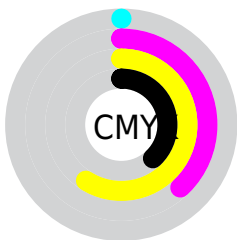
Distribution



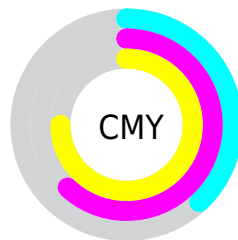
- Red (62%)
- Green (38%)
- Blue (25%)



- Red (62%)
- Yellow (45%)
- Blue (25%)



- Cyan (0%)
- Magenta (38%)
- Yellow (59%)
- Black (38%)





- Cyan (38%)
- Magenta (62%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4879, 0.4536, 0.3812 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 16.4879, 0.4536, 0.3812 by changing the saturation by 10% instead.


 16.4879, 0.4536,
0.3812

 16.4879, 0.4536,
0.3812


232.2038, 0.3714,
0.3553


 9.8701, 0.4781,
0.3860


 37.4432, 0.4207,
0.3725


 5.3129, 0.5116,
0.3899

 52.5494, 0.4093,
0.3690


 2.4320, 0.5800,
0.4042

 71.2539, 0.4000,
0.3659

 0.8423, 0.6273,
0.3727

 93.9410, 0.3923,
0.3632

 0.0000, 1.0000,
0.0000

 120.9951, 0.3858,
0.3608

 0.0000, 0.0000,
0.0000

 152.8007, 0.3803,

0.3588

189.7421, 0.3756,
0.3570

■ 16.4879, 0.4536,
0.3812

■ 16.4879, 0.4536,
0.3812

■ 14.5222, 0.4873,
0.3863

■ 18.7559, 0.4219,
0.3737

■ 12.8424, 0.5210,
0.3878

■ 21.3366, 0.3932,
0.3648

■ 11.4341, 0.5520,
0.3846

■ 24.2429, 0.3679,
0.3553

■ 10.2754, 0.5788,
0.3774

■ 27.4862, 0.3461,
0.3459

■ 10.1855, 0.5811,
0.3768

■ 31.0772, 0.3274,
0.3368

■ 35.0263, 0.3114,
0.3283

■ 39.3433, 0.2978,
0.3204

■ 44.0376, 0.2862,
0.3131

■ 49.1184, 0.2763,
0.3065

Harmonies

Analogous

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



16.4879, 0.4383, 0.3280



16.4879, 0.4536, 0.3812



16.4879, 0.4267, 0.4300

Triad

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



16.4879, 0.4536, 0.3812



16.4879, 0.2404, 0.3847



16.4879, 0.2462, 0.2220

Complementary

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



16.4879, 0.4536, 0.3812



18.5400, 0.2271, 0.2650

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.



16.4879, 0.2045, 0.2247



16.4879, 0.4536, 0.3812



16.4879, 0.2006, 0.3100

Square

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



16.4879, 0.4536, 0.3812



16.4879, 0.3022, 0.4447



16.4879, 0.1889, 0.2534



16.4879, 0.3104, 0.2415

Rectangle

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



16.4879, 0.4536, 0.3812



16.4879, 0.3915, 0.4528



16.4879, 0.1889, 0.2534



16.4879, 0.2295, 0.2203

Sweetspot

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



16.4887, 0.4536, 0.3812



49.7123, 0.3445, 0.3452



12.6573, 0.3711, 0.2354



10.8284, 0.3501, 0.3477



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.4887, 0.4536, 0.3812



24.9861, 0.4983, 0.3872



27.9716, 0.4065, 0.4483



7.0084, 0.3276, 0.3369



8.1172, 0.5795, 0.3781



0.2208, 0.5104, 0.4329

Inverse Universe

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



18.5400, 0.2271, 0.2650



28.8938, 0.2124, 0.2476



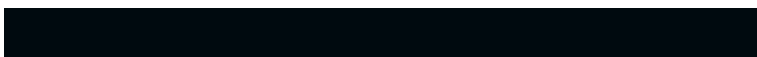
9.2294, 0.2064, 0.1695



7.1169, 0.2988, 0.3210



9.7418, 0.1923, 0.2123



0.2508, 0.2068, 0.2645

Previews

White Background



This preview shows how the Yxy color 16.4879, 0.4536, 0.3812 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 16.4879, 0.4536, 0.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

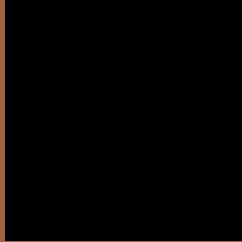
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4879, 0.4536, 0.3812

Background



This preview shows how black text looks on a background with the Yxy color 16.4879, 0.4536, 0.3812.



This preview shows how white text looks on a background with the Yxy color 16.4879, 0.4536, 0.3812.

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

16.4879, 0.4536, 0.3812

Protanopia

16.5503, 0.3815, 0.4112

Deuteranopia

16.5730, 0.4176, 0.4093



Tritanopia

16.5026, 0.4067, 0.3196

Trichromacy



Original Color

16.4879, 0.4536, 0.3812

Protanomaly

16.4732, 0.4071, 0.4003

Deuteranomaly

16.3818, 0.4304, 0.3977

Tritanomaly

16.3461, 0.4253, 0.3423

Monochromacy



Original Color

16.4879, 0.4536, 0.3812

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.0087, 0.3604, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4879, 0.4536, 0.3812 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(159, 98, 65)` looks like.

```
.text, #text, p{  
    color:rgb(159, 98, 65)  
}
```

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(159, 98, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 98, 65) }
```

Border

The CSS property to change the border of an element to Yxy 16.4879, 0.4536, 0.3812 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(159, 98, 65) }
```

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

```
.border{ border-color:rgb(159, 98, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 98, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 98, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 98, 65);  
box-shadow:4px 4px 4px 4px rgb(159, 98,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4879, 0.4536, 0.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 98, 65) }
```

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

```
.background{ background-color: rgb(159, 98,  
65) }
```

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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