

Converting Colors

$Yxy(16.0845, 0.3112, 0.4449)$

Have a look what the booklet for
Yxy(16.0845, 0.3112, 0.4449)
contains.

Yxy(16.2247, 0.3116, 0.4456)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.2247, 0.3116, 0.4456)

Conversions

Conversions Part 1

Format	Color
Hex	4D7B49
RGB	77, 123, 73
RGB Percent	30%, 48%, 29%
CMY	0.6981, 0.5176, 0.7136
CMYK	0.37, 0.00, 0.41, 0.52
HSL	115°, 25%, 38%
HSV	115°, 41%, 48%
XYZ	11.3456, 16.2247, 8.8406
YIQ	103.5460, -11.3660, -25.3020

Conversions

Conversions Part 2

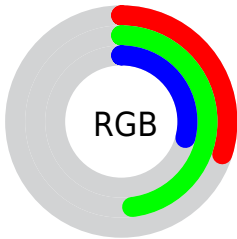
Format	Color
RYB	73, 123, 119
Decimal	5077833
CIELab	47.27, -26.52, 22.48
CIElCh	47, 34.764, 139.713
Yxy	16.2247, 0.3116, 0.4456
Android (android.graphics.Color)	4283267913 (0xFF4D7B49)
YUV	103.5460, -15.0592, -23.2808
Hunter-Lab	40.2799, -20.2117, 15.1831

Details

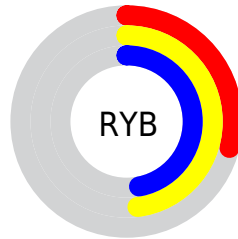
The Yxy color **16.2247, 0.3116, 0.4456** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.1230, 0.3108, 0.2318**, and the grayscale version is **13.7589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0450, 0.3137, 0.4159**, and **5.2283, 0.3044, 0.5072** is the 20% darker color. If you saturate the color by 10%, you get **15.6473, 0.3106, 0.4792**, and if you desaturate by 10%, it is **16.9178, 0.3122, 0.4130**.

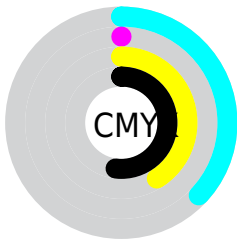
Distribution



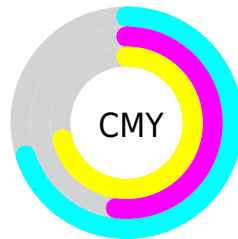
- Red (30%)
- Green (48%)
- Blue (29%)



- Red (29%)
- Yellow (48%)
- Blue (47%)



- Cyan (37%)
- Magenta (0%)
- Yellow (41%)
- Black (52%)



- Cyan (70%)
- Magenta (52%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2247, 0.3116, 0.4456 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 16.2247, 0.3116, 0.4456 by changing the saturation by 10% instead.


 16.2247, 0.3116,
0.4456

 16.2247, 0.3116,
0.4456


230.6640, 0.3143,
0.3739


 9.6833, 0.3093,
0.4702


 36.9879, 0.3135,
0.4152

 5.1895, 0.3043,
0.5073

 51.9784, 0.3139,
0.4053


 2.3589, 0.2973,
0.5778

 70.5541, 0.3141,
0.3973

 0.8046, 0.1273,
0.8727

 93.0994, 0.3142,
0.3909

 0.0000, 0.0000,
0.0000

 119.9986, 0.3143,
0.3855

151.6362, 0.3143,

0.3810

188.3965, 0.3143,
0.3772

■ 16.2247, 0.3116,
0.4456

■ 16.2247, 0.3116,
0.4456

■ 15.6473, 0.3106,
0.4792

■ 16.9178, 0.3122,
0.4130

■ 15.1774, 0.3093,
0.5122

■ 17.7302, 0.3126,
0.3826

■ 14.8088, 0.3077,
0.5424


■ 18.6680, 0.3128,
0.3550


■ 14.5342, 0.3058,
0.5674

■ 19.7361, 0.3127,
0.3305


■ 14.3448, 0.3038,
0.5856


■ 20.9392, 0.3126,
0.3088

 14.2299, 0.3027,
0.5978

 22.2820, 0.3123,
0.2899

 23.7685, 0.3120,
0.2735

 25.4030, 0.3117,
0.2593

 27.1894, 0.3113,
0.2469

Harmonies

Analogous

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



16.2247, 0.3775, 0.4532



16.2247, 0.3116, 0.4456



16.2247, 0.2494, 0.3923

Triad

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



16.2247, 0.3116, 0.4456



16.2247, 0.2037, 0.2296



16.2247, 0.4295, 0.3216

Complementary

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



16.2247, 0.3116, 0.4456



10.1230, 0.3108, 0.2318

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.



16.2247, 0.3722, 0.2747



16.2247, 0.3116, 0.4456



16.2247, 0.2412, 0.2237

Square

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



16.2247, 0.3116, 0.4456



16.2247, 0.1919, 0.2614



16.2247, 0.3014, 0.2401



16.2247, 0.4502, 0.3735

Rectangle

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



16.2247, 0.3116, 0.4456



16.2247, 0.2184, 0.3437



16.2247, 0.3014, 0.2401



16.2247, 0.4135, 0.3051

Sweetspot

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



16.2254, 0.3116, 0.4456



33.1325, 0.3127, 0.3594



17.8479, 0.3735, 0.4179



7.7615, 0.3127, 0.3621



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.2254, 0.3116, 0.4456



28.0588, 0.3107, 0.4778



16.3897, 0.2866, 0.3966



4.4638, 0.3128, 0.3510



14.7185, 0.3027, 0.5979



70.0526, 0.3013, 0.5990

Inverse Universe

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



10.1230, 0.3108, 0.2318



15.4955, 0.3098, 0.2104



9.9421, 0.3526, 0.2705



4.0621, 0.3126, 0.3078



5.1273, 0.3017, 0.1436



24.2863, 0.3007, 0.1430

Previews

White Background



This preview shows how the Yxy color 16.2247, 0.3116, 0.4456 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 16.2247, 0.3116, 0.4456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

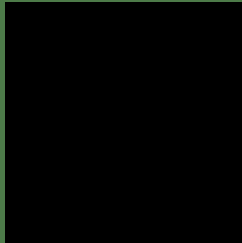
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2247, 0.3116, 0.4456

Background



This preview shows how black text looks on a background with the Yxy color 16.2247, 0.3116, 0.4456.



This preview shows how white text looks on a background with the Yxy color 16.2247, 0.3116, 0.4456.

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

16.2247, 0.3116, 0.4456

Protanopia

16.1556, 0.3818, 0.4141

Deuteranopia

16.0378, 0.3914, 0.3858



Tritanopia

16.2552, 0.2680, 0.3099

Trichromacy



Original Color

16.2247, 0.3116, 0.4456

Protanomaly

15.9972, 0.3548, 0.4269

Deuteranomaly

15.8428, 0.3593, 0.4060

Tritanomaly

16.0942, 0.2833, 0.3556

Monochromacy



Original Color

16.2247, 0.3116, 0.4456

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.5389, 0.3121, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2247, 0.3116, 0.4456 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(77, 123, 73)` looks like.

```
.text, #text, p{  
    color:rgb(77, 123, 73)  
}
```

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(77, 123, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 123, 73) }
```

Border

The CSS property to change the border of an element to Yxy 16.2247, 0.3116, 0.4456 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(77, 123, 73) }
```

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

```
.border{ border-color:rgb(77, 123, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 123, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 123, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 123, 73);  
box-shadow:4px 4px 4px 4px rgb(77, 123,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2247, 0.3116, 0.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 123, 73) }
```

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

```
.background{ background-color: rgb(77, 123,  
73) }
```

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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