

Converting Colors

$Yxy(16.8155, 0.3137, 0.4483)$

Have a look what the booklet for
Yxy(16.8155, 0.3137, 0.4483)
contains.

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Color

Yxy(16.8105, 0.3136, 0.4483)

Conversions

Conversions Part 1

Format	Color
Hex	4F7D49
RGB	79, 125, 73
RGB Percent	31%, 49%, 29%
CMY	0.6903, 0.5098, 0.7137
CMYK	0.37, 0.00, 0.42, 0.51
HSL	113°, 26%, 39%
HSV	113°, 42%, 49%
XYZ	11.7595, 16.8105, 8.9284
YIQ	105.3180, -10.7240, -25.9240

Conversions

Conversions Part 2

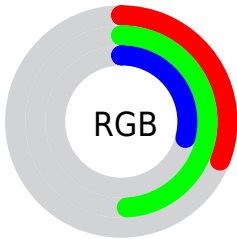
Format	Color
R_{YB}	73, 125, 119
Decimal	5209417
CIE _{Lab}	48.02, -26.80, 23.49
CIE _{LCh}	48, 35.641, 138.770
Yxy	16.8105, 0.3136, 0.4483
Android (android.graphics.Color)	4283399497 (0xFF4F7D49)
YUV	105.3180, -15.9328, -23.0809
Hunter-Lab	41.0006, -20.5551, 15.7894

Details

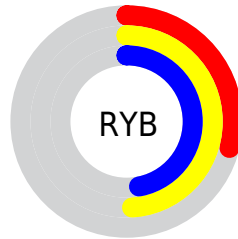
The Yxy color **16.8105, 0.3136, 0.4483** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **10.1699, 0.3077, 0.2285**, and the grayscale version is **14.2629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9918, 0.3152, 0.4181**, and **5.5287, 0.3069, 0.5096** is the 20% darker color. If you saturate the color by 10%, you get **16.2263, 0.3129, 0.4817**, and if you desaturate by 10%, it is **17.5085, 0.3138, 0.4158**.

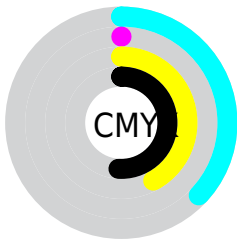
Distribution



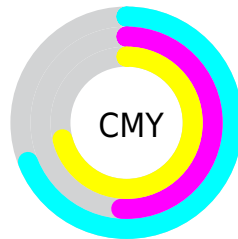
- Red (31%)
- Green (49%)
- Blue (29%)



- Red (29%)
- Yellow (49%)
- Blue (47%)



- Cyan (37%)
- Magenta (0%)
- Yellow (42%)
- Black (51%)





- Cyan (69%)
- Magenta (51%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8105, 0.3136, 0.4483 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 16.8105, 0.3136, 0.4483 by changing the saturation by 10% instead.


 16.8105, 0.3136,
0.4483


 16.8105, 0.3136,
0.4483


234.0780, 0.3152,
0.3753


 10.0995, 0.3115,
0.4731


 37.9997, 0.3151,
0.4175


 5.4650, 0.3070,
0.5101

 53.2466, 0.3153,
0.4074

 2.5226, 0.3001,
0.5784

 72.1076, 0.3154,
0.3993

 0.8879, 0.1760,
0.8240

 94.9671, 0.3154,
0.3927

 0.0000, 0.0000,
0.0000

 122.2095, 0.3154,
0.3872

154.2192, 0.3154,

0.3826

191.3806, 0.3153,
0.3787

■ 16.8105, 0.3136,
0.4483

■ 16.8105, 0.3136,
0.4483

■ 16.2263, 0.3129,
0.4817

■ 17.5085, 0.3138,
0.4158

■ 15.7477, 0.3117,
0.5142

■ 18.3235, 0.3137,
0.3854

■ 15.3690, 0.3100,
0.5437


■ 19.2615, 0.3134,
0.3576


■ 15.0831, 0.3079,
0.5682


■ 20.3271, 0.3128,
0.3327

■ 14.8818, 0.3054,
0.5857


■ 21.5250, 0.3121,
0.3107

 14.7651, 0.3040,
0.5968

 22.8595, 0.3114,
0.2915

 24.3348, 0.3106,
0.2747

 25.9547, 0.3098,
0.2601

 27.7231, 0.3090,
0.2474

Harmonies

Analogous

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



16.8105, 0.3802, 0.4543



16.8105, 0.3136, 0.4483



16.8105, 0.2503, 0.3954

Triad

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



16.8105, 0.3136, 0.4483



16.8105, 0.2017, 0.2290



16.8105, 0.4297, 0.3198

Complementary

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



16.8105, 0.3136, 0.4483



10.1699, 0.3077, 0.2285

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.



16.8105, 0.3707, 0.2727



16.8105, 0.3136, 0.4483



16.8105, 0.2388, 0.2223

Square

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



16.8105, 0.3136, 0.4483



16.8105, 0.1906, 0.2619



16.8105, 0.2990, 0.2382



16.8105, 0.4520, 0.3722

Rectangle

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



16.8105, 0.3136, 0.4483



16.8105, 0.2184, 0.3462



16.8105, 0.2990, 0.2382



16.8105, 0.4132, 0.3032

Sweetspot

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



16.8112, 0.3136, 0.4483



34.3662, 0.3134, 0.3594



18.0205, 0.3762, 0.4172



7.7770, 0.3135, 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.



16.8112, 0.3136, 0.4483



29.0919, 0.3129, 0.4803



16.8744, 0.2878, 0.4028



4.8406, 0.3133, 0.3511



15.4070, 0.3039, 0.5969



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.1699, 0.3077, 0.2285



15.4781, 0.3058, 0.2066



10.1471, 0.3508, 0.2658



4.3881, 0.3120, 0.3076



5.0455, 0.2930, 0.1388



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.8105, 0.3136, 0.4483 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 16.8105, 0.3136, 0.4483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

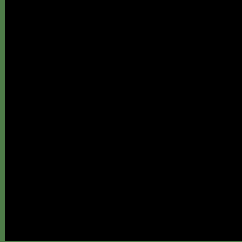
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8105, 0.3136, 0.4483

Background



This preview shows how black text looks on a background with the Yxy color 16.8105, 0.3136, 0.4483.



This preview shows how white text looks on a background with the Yxy color 16.8105, 0.3136, 0.4483.

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

16.8105, 0.3136, 0.4483

Protanopia

16.7494, 0.3831, 0.4166

Deuteranopia

16.7073, 0.3943, 0.3884



Tritanopia

16.8760, 0.2686, 0.3102

Trichromacy



Original Color

16.8105, 0.3136, 0.4483

Protanomaly

16.5872, 0.3565, 0.4294

Deuteranomaly

16.4281, 0.3610, 0.4089

Tritanomaly

16.6887, 0.2847, 0.3575

Monochromacy



Original Color

16.8105, 0.3136, 0.4483

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.8655, 0.3147, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8105, 0.3136, 0.4483 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(79, 125, 73)` looks like.

```
.text, #text, p{  
    color:rgb(79, 125, 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(79, 125, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 125, 73) }
```

Border

The CSS property to change the border of an element to Yxy 16.8105, 0.3136, 0.4483 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(79, 125, 73) }
```

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

```
.border{ border-color:rgb(79, 125, 73) }
```

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

Here you see how a box with a 4 pixel rgb(79, 125, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 125, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 125, 73);  
box-shadow:4px 4px 4px 4px rgb(79, 125,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8105, 0.3136, 0.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 125, 73) }
```

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

```
.background{ background-color: rgb(79, 125,  
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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