

Converting Colors

$Y_{xy}(16.5283, 0.3137, 0.4641)$

Have a look what the booklet for
Yxy(16.5283, 0.3137, 0.4641)
contains.

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Color

Yxy(16.5283, 0.3137, 0.4641)

Conversions

Conversions Part 1

Format	Color
Hex	4A7D43
RGB	74, 125, 67
RGB Percent	29%, 49%, 26%
CMY	0.7097, 0.5098, 0.7372
CMYK	0.41, 0.00, 0.46, 0.51
HSL	113°, 30%, 38%
HSV	113°, 46%, 49%
XYZ	11.1720, 16.5283, 7.9134
YIQ	103.1390, -11.7780, -28.8500

Conversions

Conversions Part 2

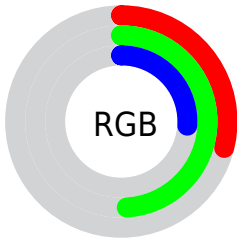
Format	Color
RYB	67, 125, 118
Decimal	4881731
CIELab	47.66, -29.47, 26.30
CIElCh	48, 39.497, 138.260
Yxy	16.5283, 0.3137, 0.4641
Android (android.graphics.Color)	4283071811 (0xFF4A7D43)
YUV	103.1390, -17.8165, -25.5549
Hunter-Lab	40.6550, -22.0944, 16.9179

Details

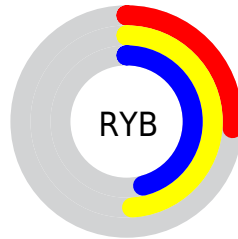
The Yxy color **16.5283, 0.3137, 0.4641** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **9.3476, 0.3062, 0.2172**, and the grayscale version is **13.6543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4617, 0.3154, 0.4291**, and **5.2685, 0.3053, 0.5353** is the 20% darker color. If you saturate the color by 10%, you get **15.9959, 0.3128, 0.4972**, and if you desaturate by 10%, it is **17.1707, 0.3141, 0.4311**.

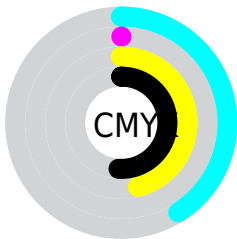
Distribution



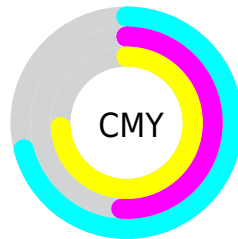
- Red (29%)
- Green (49%)
- Blue (26%)



- Red (26%)
- Yellow (49%)
- Blue (46%)



- Cyan (41%)
- Magenta (0%)
- Yellow (46%)
- Black (51%)





- Cyan (71%)
- Magenta (51%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5283, 0.3137, 0.4641 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 16.5283, 0.3137, 0.4641 by changing the saturation by 10% instead.


 16.5283, 0.3137,
0.4641

 16.5283, 0.3137,
0.4641


232.4392, 0.3159,
0.3810


 9.8988, 0.3110,
0.4924


 37.5130, 0.3157,
0.4290


 5.3319, 0.3049,
0.5347

 52.6369, 0.3160,
0.4174


 2.4433, 0.3006,
0.6251

 71.3610, 0.3161,
0.4082

 0.8480, 0.0926,
0.9074

 94.0698, 0.3162,
0.4007

 0.0000, 0.0000,
0.0000

 121.1476, 0.3161,
0.3945

152.9789, 0.3161,

0.3893

189.9480, 0.3160,
0.3848

■ 16.5283, 0.3137,
0.4641

■ 16.5283, 0.3137,
0.4641

■ 15.9959, 0.3128,
0.4972

■ 17.1707, 0.3141,
0.4311

■ 15.5654, 0.3114,
0.5286

■ 17.9266, 0.3141,
0.3996

■ 15.2307, 0.3094,
0.5559


■ 18.8020, 0.3137,
0.3705


■ 14.9845, 0.3071,
0.5772


■ 19.8016, 0.3132,
0.3443


■ 14.8161, 0.3047,
0.5919


■ 20.9302, 0.3124,
0.3209

 14.7695, 0.3043,
0.5966

 22.1921, 0.3116,
0.3004

 23.5915, 0.3108,
0.2824

 25.1323, 0.3099,
0.2668

 26.8183, 0.3091,
0.2532

Harmonies

Analogous

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



16.5283, 0.3871, 0.4677



16.5283, 0.3137, 0.4641



16.5283, 0.2440, 0.4050

Triad

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



16.5283, 0.3137, 0.4641



16.5283, 0.1906, 0.2192



16.5283, 0.4423, 0.3168

Complementary

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



16.5283, 0.3137, 0.4641



9.3476, 0.3062, 0.2172

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.



16.5283, 0.3757, 0.2661



16.5283, 0.3137, 0.4641



16.5283, 0.2301, 0.2121

Square

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



16.5283, 0.3137, 0.4641



16.5283, 0.1790, 0.2548



16.5283, 0.2957, 0.2291



16.5283, 0.4672, 0.3736

Rectangle

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



16.5283, 0.3137, 0.4641



16.5283, 0.2091, 0.3489



16.5283, 0.2957, 0.2291



16.5283, 0.4236, 0.2989

Sweetspot

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



16.5290, 0.3137, 0.4641



34.0190, 0.3136, 0.3649



17.5504, 0.3843, 0.4252



7.6685, 0.3137, 0.3698



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.



16.5290, 0.3137, 0.4641



28.5630, 0.3127, 0.5004



16.5699, 0.2864, 0.4155



4.8417, 0.3133, 0.3511



15.4132, 0.3042, 0.5967



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3476, 0.3062, 0.2172



13.9523, 0.3037, 0.1934



9.3699, 0.3551, 0.2569



4.3869, 0.3119, 0.3076



4.9965, 0.2916, 0.1380



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.5283, 0.3137, 0.4641 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 16.5283, 0.3137, 0.4641 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 16.5283, 0.3137, 0.4641

Background



This preview shows how black text looks on a background with the Yxy color 16.5283, 0.3137, 0.4641.



This preview shows how white text looks on a background with the Yxy color 16.5283, 0.3137, 0.4641.

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

16.5283, 0.3137, 0.4641

Protanopia

16.4542, 0.3911, 0.4257

Deuteranopia

16.4143, 0.4030, 0.3973



Tritanopia

16.4467, 0.2643, 0.3079

Trichromacy



Original Color

16.5283, 0.3137, 0.4641

Protanomaly

16.1569, 0.3609, 0.4407

Deuteranomaly

15.9875, 0.3660, 0.4200

Tritanomaly

16.4647, 0.2824, 0.3624

Monochromacy



Original Color

16.5283, 0.3137, 0.4641

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3824, 0.3131, 0.3770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5283, 0.3137, 0.4641 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(74, 125, 67)` looks like.

```
.text, #text, p{  
  color:rgb(74, 125, 67)  
}
```

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(74, 125, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 125, 67) }
```

Border

The CSS property to change the border of an element to Yxy 16.5283, 0.3137, 0.4641 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(74, 125, 67) }
```

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

```
.border{ border-color:rgb(74, 125, 67) }
```

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

Here you see how a box with a 4 pixel rgb(74, 125, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 125, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 125, 67);  
box-shadow:4px 4px 4px 4px rgb(74, 125,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5283, 0.3137, 0.4641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 125, 67) }
```

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

```
.background{ background-color: rgb(74, 125,  
67) }
```

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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