

Converting Colors

$Y_{xy}(16.4629, 0.2835, 0.4165)$

Have a look what the booklet for
Yxy(16.4629, 0.2835, 0.4165)
contains.

Yxy(16.4618, 0.2839, 0.4169)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.4618, 0.2839, 0.4169)

Conversions

Conversions Part 1

Format	Color
Hex	407D58
RGB	64, 125, 88
RGB Percent	25%, 49%, 35%
CMY	0.7489, 0.5098, 0.6550
CMYK	0.49, 0.00, 0.30, 0.51
HSL	144°, 32%, 37%
HSV	144°, 49%, 49%
XYZ	11.2101, 16.4618, 11.8143
YIQ	102.5430, -24.4790, -24.4390

Conversions

Conversions Part 2

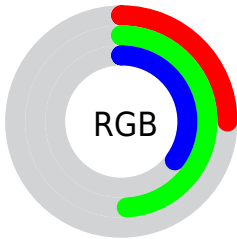
Format	Color
RYB	64, 108, 125
Decimal	4226392
CIELab	47.57, -28.82, 14.22
CIELCh	48, 32.141, 153.743
Yxy	16.4618, 0.2839, 0.4169
Android (android.graphics.Color)	4282416472 (0xFF407D58)
YUV	102.5430, -7.1697, -33.8022
Hunter-Lab	40.5731, -21.6844, 11.1369

Details

The Yxy color **16.4618, 0.2839, 0.4169** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.9709, 0.3612, 0.2563**, and the grayscale version is **13.4626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3888, 0.2920, 0.3940**, and **5.2445, 0.2672, 0.4637** is the 20% darker color. If you saturate the color by 10%, you get **15.9698, 0.2801, 0.4391**, and if you desaturate by 10%, it is **17.0622, 0.2887, 0.3958**.

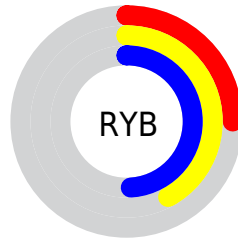
Distribution



Red (25%)

Green (49%)

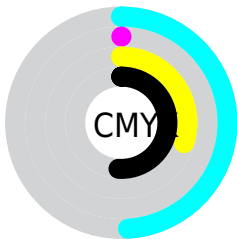
Blue (35%)



Red (25%)

Yellow (42%)

Blue (49%)

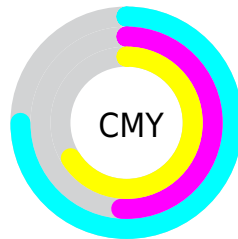


Cyan (49%)

Magenta (0%)

Yellow (30%)

Black (51%)



Cyan (75%)


Magenta (51%)

Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4618, 0.2839, 0.4169 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 16.4618, 0.2839, 0.4169 by changing the saturation by 10% instead.

 16.4618, 0.2839,
0.4169


 16.4618, 0.2839,
0.4169


232.0515, 0.3019,
0.3631


 9.8515, 0.2774,
0.4354


 37.3981, 0.2917,
0.3941


 5.3006, 0.2673,
0.4636

 52.4929, 0.2942,
0.3866


 2.4247, 0.2496,
0.5114

 71.1846, 0.2962,
0.3807

 0.8386, 0.1002,
0.8998

 93.8577, 0.2978,
0.3758

 0.0000, 0.0000,
0.0000

 120.8965, 0.2991,
0.3718

152.6855, 0.3002,

0.3684

189.6090, 0.3011,
0.3656

■ 16.4618, 0.2839,
0.4169

■ 16.4618, 0.2839,
0.4169

■ 15.9698, 0.2801,
0.4391

■ 17.0622, 0.2887,
0.3958

■ 15.5775, 0.2777,
0.4619

■ 17.7751, 0.2944,
0.3761

■ 15.2780, 0.2770,
0.4845


■ 18.6069, 0.3005,
0.3581

■ 15.0624, 0.2779,
0.5062

■ 19.5628, 0.3070,
0.3419

■ 14.9076, 0.2800,
0.5265


■ 20.6479, 0.3135,
0.3273

 14.8898, 0.2802,
0.5289

 21.8667, 0.3200,
0.3144

 23.2238, 0.3263,
0.3030

 24.7234, 0.3324,
0.2930

 26.3695, 0.3383,
0.2842

Harmonies

Analogous

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



16.4618, 0.3455, 0.4450



16.4618, 0.2839, 0.4169



16.4618, 0.2331, 0.3563

Triad

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



16.4618, 0.2839, 0.4169



16.4618, 0.2249, 0.2313



16.4618, 0.4340, 0.3454

Complementary

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



16.4618, 0.2839, 0.4169



8.9709, 0.3612, 0.2563

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.



16.4618, 0.3952, 0.2983



16.4618, 0.2839, 0.4169



16.4618, 0.2706, 0.2356

Square

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



16.4618, 0.2839, 0.4169



16.4618, 0.2023, 0.2498



16.4618, 0.3330, 0.2595



16.4618, 0.4352, 0.3934

Rectangle

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



16.4618, 0.2839, 0.4169



16.4618, 0.2114, 0.3127



16.4618, 0.3330, 0.2595



16.4618, 0.4249, 0.3292

Sweetspot

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



16.4625, 0.2839, 0.4169



33.8791, 0.3027, 0.3524



17.8409, 0.3502, 0.4561



7.6414, 0.3016, 0.3552



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.



16.4625, 0.2839, 0.4169



28.4701, 0.2796, 0.4429



17.0636, 0.2568, 0.3447



4.8445, 0.3068, 0.3424



15.5392, 0.2803, 0.5292



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.9709, 0.3612, 0.2563



13.3019, 0.3783, 0.2411



8.4871, 0.4244, 0.3150



4.3847, 0.3192, 0.3160



5.0923, 0.4462, 0.2232



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.4618, 0.2839, 0.4169 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 16.4618, 0.2839, 0.4169 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 16.4618, 0.2839, 0.4169

Background



This preview shows how black text looks on a background with the Yxy color 16.4618, 0.2839, 0.4169.



This preview shows how white text looks on a background with the Yxy color 16.4618, 0.2839, 0.4169.

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

16.4618, 0.2839, 0.4169

Protanopia

16.2625, 0.3638, 0.3892

Deuteranopia

16.2437, 0.3656, 0.3599



Tritanopia

16.4738, 0.2537, 0.3096

Trichromacy



Original Color

16.4618, 0.2839, 0.4169

Protanomaly

16.0720, 0.3297, 0.4010

Deuteranomaly

15.8541, 0.3303, 0.3781

Tritanomaly

16.4361, 0.2642, 0.3468

Monochromacy



Original Color

16.4618, 0.2839, 0.4169

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3746, 0.2996, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4618, 0.2839, 0.4169 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(64, 125, 88)` looks like.

```
.text, #text, p{  
    color:rgb(64, 125, 88)  
}
```

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(64, 125, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 125, 88) }
```

Border

The CSS property to change the border of an element to Yxy 16.4618, 0.2839, 0.4169 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(64, 125, 88) }
```

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

```
.border{ border-color:rgb(64, 125, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 125, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 125, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 125, 88);  
box-shadow:4px 4px 4px 4px rgb(64, 125,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4618, 0.2839, 0.4169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 125, 88) }
```

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

```
.background{ background-color: rgb(64, 125,  
88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor