

Converting Colors

$Yxy(16.8726, 0.2789, 0.3832)$

Have a look what the booklet for
Yxy(16.8726, 0.2789, 0.3832)
contains.

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Color

Yxy(16.9845, 0.2790, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	487D65
RGB	72, 125, 101
RGB Percent	28%, 49%, 40%
CMY	0.7178, 0.5098, 0.6039
CMYK	0.42, 0.00, 0.19, 0.51
HSL	153°, 27%, 39%
HSV	153°, 42%, 49%
XYZ	12.3532, 16.9845, 14.9389
YIQ	106.4170, -23.8840, -18.7000

Conversions

Conversions Part 2

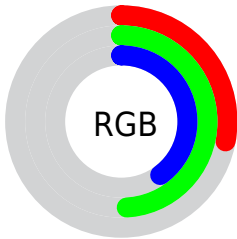
Format	Color
R_{YB}	72, 106, 125
Decimal	4750693
CIE _{Lab}	48.24, -23.63, 7.61
CIE _{LCh}	48, 24.823, 162.157
Yxy	16.9845, 0.2790, 0.3836
Android (android.graphics.Color)	4282940773 (0xFF487D65)
YUV	106.4170, -2.6706, -30.1837
Hunter-Lab	41.2123, -18.6170, 7.3567

Details

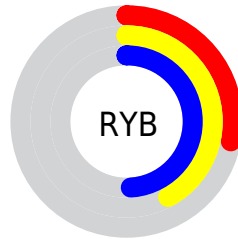
The Yxy color **16.9845, 0.2790, 0.3836** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.8352, 0.3681, 0.2810**, and the grayscale version is **14.5443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3187, 0.2872, 0.3698**, and **5.5947, 0.2630, 0.4133** is the 20% darker color. If you saturate the color by 10%, you get **16.4457, 0.2731, 0.3993**, and if you desaturate by 10%, it is **17.6300, 0.2860, 0.3689**.

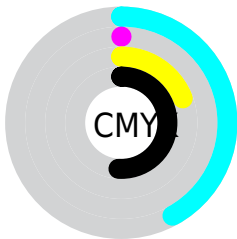
Distribution



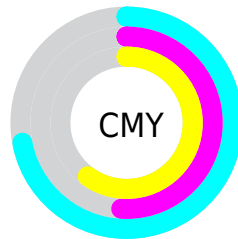
- Red (28%)
- Green (49%)
- Blue (40%)



- Red (28%)
- Yellow (42%)
- Blue (49%)



- Cyan (42%)
- Magenta (0%)
- Yellow (19%)
- Black (51%)





- Cyan (72%)
- Magenta (51%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9845, 0.2790, 0.3836 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 16.9845, 0.2790, 0.3836 by changing the saturation by 10% instead.


 16.9845, 0.2790,
0.3836


 16.9845, 0.2790,
0.3836


235.0830, 0.2991,
0.3508


 10.2234, 0.2724,
0.3945


 38.2991, 0.2873,
0.3699


 5.5474, 0.2626,
0.4109

 53.6215, 0.2901,
0.3654


 2.5719, 0.2467,
0.4380

 72.5664, 0.2924,
0.3617

 0.9125, 0.1744,
0.5483

 95.5182, 0.2942,
0.3587

 0.0000, 0.0000,
0.0000

 122.8614, 0.2957,
0.3562

154.9804, 0.2970,

0.3541

192.2594, 0.2981,
0.3523

■ 16.9845, 0.2790,
0.3836

■ 16.9845, 0.2790,
0.3836

■ 16.4457, 0.2731,
0.3993

■ 17.6300, 0.2860,
0.3689

■ 16.0055, 0.2686,
0.4158

■ 18.3857, 0.2937,
0.3552

■ 15.6577, 0.2657,
0.4328

■ 19.2576, 0.3020,
0.3428


■ 15.3946, 0.2646,
0.4499

■ 20.2505, 0.3106,
0.3316

■ 15.2074, 0.2653,
0.4667


■ 21.3690, 0.3193,
0.3215

 15.0917, 0.2665,
0.4792

 22.6175, 0.3279,
0.3125

 24.0000, 0.3364,
0.3046

 25.5204, 0.3446,
0.2976

 27.1827, 0.3526,
0.2915

Harmonies

Analogous

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



16.9845, 0.3260, 0.4132



16.9845, 0.2790, 0.3836



16.9845, 0.2429, 0.3364

Triad

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



16.9845, 0.2790, 0.3836



16.9845, 0.2527, 0.2514



16.9845, 0.4087, 0.3545

Complementary

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



16.9845, 0.2790, 0.3836



9.8352, 0.3681, 0.2810

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.



16.9845, 0.3864, 0.3160



16.9845, 0.2790, 0.3836



16.9845, 0.2935, 0.2591

Square

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



16.9845, 0.2790, 0.3836



16.9845, 0.2289, 0.2618



16.9845, 0.3429, 0.2822



16.9845, 0.4026, 0.3905

Rectangle

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



16.9845, 0.2790, 0.3836



16.9845, 0.2289, 0.3052



16.9845, 0.3429, 0.2822



16.9845, 0.4043, 0.3416

Sweetspot

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



16.9852, 0.2790, 0.3836



34.3345, 0.3013, 0.3438



17.6626, 0.3360, 0.4427



7.7405, 0.2997, 0.3461



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.



16.9852, 0.2790, 0.3836



29.4637, 0.2732, 0.3990



17.0828, 0.2566, 0.3250



4.8550, 0.3048, 0.3389



15.7478, 0.2665, 0.4796



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.8352, 0.3681, 0.2810



14.8398, 0.3875, 0.2704



9.6904, 0.4142, 0.3329



4.3741, 0.3213, 0.3193



4.8531, 0.5089, 0.2577



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.9845, 0.2790, 0.3836 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 16.9845, 0.2790, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

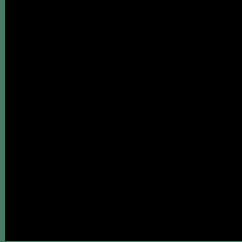
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9845, 0.2790, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 16.9845, 0.2790, 0.3836.



This preview shows how white text looks on a background with the Yxy color 16.9845, 0.2790, 0.3836.

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

16.9845, 0.2790, 0.3836

Protanopia

16.8539, 0.3446, 0.3670

Deuteranopia

16.8185, 0.3468, 0.3405



Tritanopia

16.9757, 0.2568, 0.3079

Trichromacy



Original Color

16.9845, 0.2790, 0.3836

Protanomaly

16.7035, 0.3182, 0.3735

Deuteranomaly

16.4289, 0.3181, 0.3539

Tritanomaly

16.8116, 0.2642, 0.3332

Monochromacy



Original Color

16.9845, 0.2790, 0.3836

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.1894, 0.2990, 0.3488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9845, 0.2790, 0.3836 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(72, 125, 101)` looks like.

```
.text, #text, p{  
    color:rgb(72, 125, 101)  
}
```

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(72, 125, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 125, 101) }
```

Border

The CSS property to change the border of an element to Yxy 16.9845, 0.2790, 0.3836 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(72, 125, 101) }
```

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

```
.border{ border-color:rgb(72, 125, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 125, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 125, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 125, 101);  
box-shadow:4px 4px 4px 4px rgb(72, 125,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9845, 0.2790, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 125, 101) }
```

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

```
.background{ background-color: rgb(72, 125,  
101) }
```

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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