

Converting Colors

$Y_{xy}(18.2681, 0.2858, 0.3984)$

Have a look what the booklet for
Yxy(18.2681, 0.2858, 0.3984)
contains.

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Color

$Yxy(18.3836, 0.2865, 0.4000)$

Conversions

Conversions Part 1

Format	Color
Hex	4C8262
RGB	76, 130, 98
RGB Percent	30%, 51%, 38%
CMY	0.7020, 0.4902, 0.6157
CMYK	0.42, 0.00, 0.25, 0.49
HSL	144°, 26%, 40%
HSV	144°, 42%, 51%
XYZ	13.1673, 18.3836, 14.4081
YIQ	110.2060, -21.9120, -21.4000

Conversions

Conversions Part 2

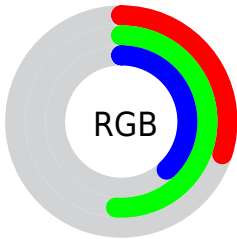
Format	Color
RYB	76, 114, 130
Decimal	5014114
CIELab	49.96, -25.59, 11.80
CIElCh	50, 28.178, 155.235
Yxy	18.3836, 0.2865, 0.4000
Android (android.graphics.Color)	4283204194 (0xFF4C8262)
YUV	110.2060, -6.0176, -29.9987
Hunter-Lab	42.8761, -20.2158, 10.0894

Details

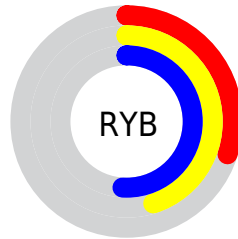
The Yxy color **18.3836, 0.2865, 0.4000** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.9974, 0.3532, 0.2680**, and the grayscale version is **15.6775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5489, 0.2927, 0.3815**, and **6.1960, 0.2739, 0.4360** is the 20% darker color. If you saturate the color by 10%, you get **17.7660, 0.2818, 0.4210**, and if you desaturate by 10%, it is **19.1243, 0.2921, 0.3803**.

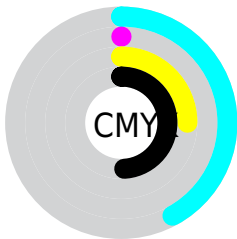
Distribution



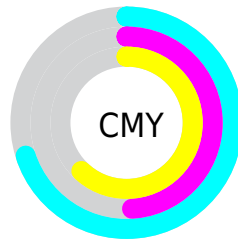
- Red (30%)
- Green (51%)
- Blue (38%)



- Red (30%)
- Yellow (45%)
- Blue (51%)



- Cyan (42%)
- Magenta (0%)
- Yellow (25%)
- Black (49%)




- Cyan (70%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3836, 0.2865, 0.4000 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 18.3836, 0.2865, 0.4000 by changing the saturation by 10% instead.


 18.3836, 0.2865,
0.4000


 18.3836, 0.2865,
0.4000


243.0244, 0.3024,
0.3574


 11.2257, 0.2811,
0.4141


 40.6899, 0.2932,
0.3823


 6.2189, 0.2731,
0.4350

 56.6071, 0.2954,
0.3764

 2.9786, 0.2596,
0.4693

 76.2129, 0.2971,
0.3717

 1.1206, 0.2205,
0.5840

 99.8917, 0.2986,
0.3678

 0.0000, 0.0000,
0.0000

 128.0278, 0.2998,
0.3646

161.0057, 0.3008,

0.3618

199.2098, 0.3017,
0.3595

■ 18.3836, 0.2865,
0.4000

■ 18.3836, 0.2865,
0.4000

■ 17.7660, 0.2818,
0.4210

■ 19.1243, 0.2921,
0.3803

■ 17.2624, 0.2783,
0.4430

■ 19.9923, 0.2983,
0.3622

■ 16.8658, 0.2763,
0.4654

■ 20.9941, 0.3049,
0.3458

■ 16.5677, 0.2759,
0.4875

■ 22.1354, 0.3117,
0.3311


■ 16.3580, 0.2774,
0.5085


■ 23.4213, 0.3184,
0.3180

 16.2228, 0.2792,
0.5252

 24.8567, 0.3250,
0.3065

 26.4464, 0.3314,
0.2963

 28.1949, 0.3376,
0.2874

 30.1064, 0.3435,
0.2796

Harmonies

Analogous

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



18.3836, 0.3391, 0.4257



18.3836, 0.2865, 0.4000



18.3836, 0.2433, 0.3496

Triad

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



18.3836, 0.2865, 0.4000



18.3836, 0.2390, 0.2447



18.3836, 0.4160, 0.3465

Complementary

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



18.3836, 0.2865, 0.4000



10.9974, 0.3532, 0.2680

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.



18.3836, 0.3847, 0.3051



18.3836, 0.2865, 0.4000



18.3836, 0.2797, 0.2490

Square

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



18.3836, 0.2865, 0.4000



18.3836, 0.2180, 0.2605



18.3836, 0.3331, 0.2706



18.3836, 0.4161, 0.3875

Rectangle

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



18.3836, 0.2865, 0.4000



18.3836, 0.2249, 0.3136



18.3836, 0.3331, 0.2706



18.3836, 0.4087, 0.3324

Sweetspot

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



18.3844, 0.2865, 0.4000



36.8333, 0.3044, 0.3470



19.7013, 0.3446, 0.4374



8.2941, 0.3038, 0.3486



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.3844, 0.2865, 0.4000



31.3261, 0.2820, 0.4201



18.9731, 0.2625, 0.3402



4.8455, 0.3066, 0.3421



15.5556, 0.2791, 0.5249



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.9974, 0.3532, 0.2680



16.4437, 0.3667, 0.2544



10.5147, 0.4028, 0.3186



4.3837, 0.3194, 0.3163



5.0663, 0.4519, 0.2263



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3836, 0.2865, 0.4000 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3836, 0.2865, 0.4000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

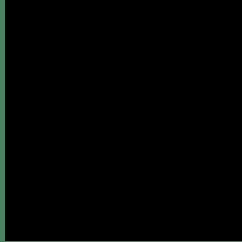
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3836, 0.2865, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 18.3836, 0.2865, 0.4000.



This preview shows how white text looks on a background with the Yxy color 18.3836, 0.2865, 0.4000.

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

18.3836, 0.2865, 0.4000

Protanopia

18.1652, 0.3551, 0.3791

Deuteranopia

18.2085, 0.3591, 0.3530



Tritanopia

18.3478, 0.2599, 0.3086

Trichromacy



Original Color

18.3836, 0.2865, 0.4000

Protanomaly

17.9154, 0.3273, 0.3867

Deuteranomaly

17.9304, 0.3286, 0.3692

Tritanomaly

18.3777, 0.2693, 0.3394

Monochromacy



Original Color

18.3836, 0.2865, 0.4000

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.3599, 0.3016, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3836, 0.2865, 0.4000 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(76, 130, 98)` looks like.

```
.text, #text, p{  
    color:rgb(76, 130, 98)  
}
```

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(76, 130, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 130, 98) }
```

Border

The CSS property to change the border of an element to Yxy 18.3836, 0.2865, 0.4000 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(76, 130, 98) }
```

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

```
.border{ border-color:rgb(76, 130, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 130, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 130, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 130, 98);  
box-shadow:4px 4px 4px 4px rgb(76, 130,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3836, 0.2865, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 130, 98) }
```

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

```
.background{ background-color: rgb(76, 130,  
98) }
```

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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