

Converting Colors

$Y_{xy}(18.0171, 0.3083, 0.4241)$

Have a look what the booklet for
Yxy(18.0171, 0.3083, 0.4241)
contains.

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Color

$Y_{xy}(18.0255, 0.3083, 0.4240)$

Conversions

Conversions Part 1

Format	Color
Hex	558055
RGB	85, 128, 85
RGB Percent	33%, 50%, 33%
CMY	0.6666, 0.4980, 0.6667
CMYK	0.34, 0.00, 0.34, 0.50
HSL	120°, 20%, 42%
HSV	120°, 34%, 50%
XYZ	13.1067, 18.0255, 11.3807
YIQ	110.2410, -11.8250, -22.4890

Conversions

Conversions Part 2

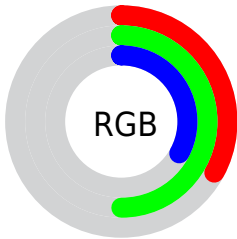
Format	Color
R _Y B	85, 128, 128
Decimal	5603413
CIE Lab	49.53, -24.13, 18.77
CIE LCh	50, 30.565, 142.121
Yxy	18.0255, 0.3083, 0.4240
Android (android.graphics.Color)	4283793493 (0xFF558055)
YUV	110.2410, -12.4438, -22.1364
Hunter-Lab	42.4564, -19.1940, 13.8265

Details

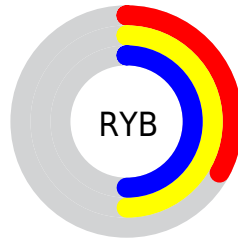
The Yxy color **18.0255, 0.3083, 0.4240** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.6403, 0.3164, 0.2493**, and the grayscale version is **15.7065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0313, 0.3102, 0.3999**, and **5.9886, 0.3031, 0.4710** is the 20% darker color. If you saturate the color by 10%, you get **17.2952, 0.3067, 0.4579**, and if you desaturate by 10%, it is **18.9023, 0.3098, 0.3922**.

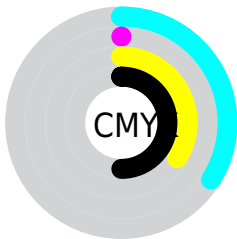
Distribution



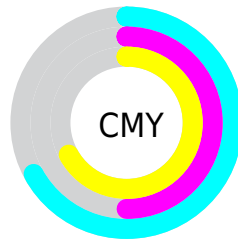
- Red (33%)
- Green (50%)
- Blue (33%)



- Red (33%)
- Yellow (50%)
- Blue (50%)



- Cyan (34%)
- Magenta (0%)
- Yellow (34%)
- Black (50%)





- Cyan (67%)
- Magenta (50%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0255, 0.3083, 0.4240 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 18.0255, 0.3083, 0.4240 by changing the saturation by 10% instead.


 18.0255, 0.3083,
0.4240

 18.0255, 0.3083,
0.4240


241.0147, 0.3122,
0.3667


 10.9683, 0.3062,
0.4431


 40.0808, 0.3104,
0.4001


 6.0455, 0.3023,
0.4715

 55.8476, 0.3109,
0.3921

 2.8728, 0.2942,
0.5177

 75.2865, 0.3113,
0.3857

 1.0657, 0.2796,
0.7204

 98.7818, 0.3116,
0.3805

 0.0000, 0.0000,
0.0000

 126.7178, 0.3118,
0.3762

159.4791, 0.3120,

0.3725

197.4499, 0.3121,
0.3694

■ 18.0255, 0.3083,
0.4240

■ 18.0255, 0.3083,
0.4240

■ 17.2952, 0.3067,
0.4579

■ 18.9023, 0.3098,
0.3922

■ 16.7014, 0.3051,
0.4924

■ 19.9306, 0.3111,
0.3632

■ 16.2362, 0.3036,
0.5254


■ 21.1179, 0.3123,
0.3375

■ 15.8901, 0.3022,
0.5545


■ 22.4705, 0.3134,
0.3149


■ 15.6524, 0.3011,
0.5772

■ 23.9944, 0.3143,
0.2953


 15.5094, 0.3004,
0.5922

 25.6954, 0.3151,
0.2784

 15.4386, 0.3000,
0.6000

 27.5789, 0.3157,
0.2639

 29.6500, 0.3163,
0.2514

 31.9137, 0.3168,
0.2406

Harmonies

Analogous

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



18.0255, 0.3652, 0.4353



18.0255, 0.3083, 0.4240



18.0255, 0.2554, 0.3776

Triad

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



18.0255, 0.3083, 0.4240



18.0255, 0.2201, 0.2422



18.0255, 0.4144, 0.3274

Complementary

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



18.0255, 0.3083, 0.4240



12.6403, 0.3164, 0.2493

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.



18.0255, 0.3681, 0.2853



18.0255, 0.3083, 0.4240



18.0255, 0.2550, 0.2380

Square

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



18.0255, 0.3083, 0.4240



18.0255, 0.2079, 0.2689



18.0255, 0.3083, 0.2537



18.0255, 0.4298, 0.3728

Rectangle

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



18.0255, 0.3083, 0.4240



18.0255, 0.2292, 0.3373



18.0255, 0.3083, 0.2537



18.0255, 0.4018, 0.3126

Sweetspot

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



18.0263, 0.3083, 0.4240



35.7645, 0.3115, 0.3542



20.4963, 0.3615, 0.4079



8.3173, 0.3114, 0.3573



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.



18.0263, 0.3083, 0.4240



30.7724, 0.3071, 0.4487



18.4048, 0.2877, 0.3768



4.8189, 0.3117, 0.3512



15.3089, 0.3000, 0.6000



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6403, 0.3164, 0.2493



19.8270, 0.3172, 0.2327



12.1507, 0.3486, 0.2859



4.4122, 0.3137, 0.3077



6.0873, 0.3207, 0.1540



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0255, 0.3083, 0.4240 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 18.0255, 0.3083, 0.4240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

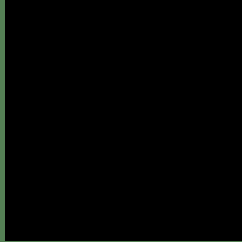
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0255, 0.3083, 0.4240

Background



This preview shows how black text looks on a background with the Yxy color 18.0255, 0.3083, 0.4240.



This preview shows how white text looks on a background with the Yxy color 18.0255, 0.3083, 0.4240.

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

18.0255, 0.3083, 0.4240

Protanopia

17.8138, 0.3719, 0.4000

Deuteranopia

17.6962, 0.3803, 0.3731



Tritanopia

17.9647, 0.2706, 0.3088

Trichromacy



Original Color

18.0255, 0.3083, 0.4240

Protanomaly

17.7287, 0.3467, 0.4087

Deuteranomaly

17.5669, 0.3517, 0.3908

Tritanomaly

17.8773, 0.2844, 0.3478

Monochromacy



Original Color

18.0255, 0.3083, 0.4240

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.4289, 0.3111, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0255, 0.3083, 0.4240 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(85, 128, 85)` looks like.

```
.text, #text, p{  
  color:rgb(85, 128, 85)  
}
```

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(85, 128, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 128, 85) }
```

Border

The CSS property to change the border of an element to Yxy 18.0255, 0.3083, 0.4240 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(85, 128, 85) }
```

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

```
.border{ border-color:rgb(85, 128, 85) }
```

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

Here you see how a box with a 4 pixel rgb(85, 128, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 128, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 128, 85);  
box-shadow:4px 4px 4px 4px rgb(85, 128,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0255, 0.3083, 0.4240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 128, 85) }
```

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

```
.background{ background-color: rgb(85, 128,  
85) }
```

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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