

Converting Colors

$Y_{xy}(18.4106, 0.3068, 0.4262)$

Have a look what the booklet for
Yxy(18.4106, 0.3068, 0.4262)
contains.

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Color

Yxy(18.5060, 0.3070, 0.4279)

Conversions

Conversions Part 1

Format	Color
Hex	548255
RGB	84, 130, 85
RGB Percent	33%, 51%, 33%
CMY	0.6706, 0.4902, 0.6667
CMYK	0.35, 0.00, 0.35, 0.49
HSL	121°, 22%, 42%
HSV	121°, 35%, 51%
XYZ	13.2773, 18.5060, 11.4652
YIQ	111.1160, -12.9710, -23.7470

Conversions

Conversions Part 2

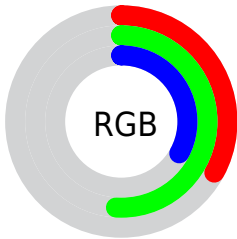
Format	Color
R_{YB}	84, 129, 130
Decimal	5538389
CIE _{Lab}	50.10, -25.50, 19.53
CIE _{LCh}	50, 32.118, 142.550
Yxy	18.5060, 0.3070, 0.4279
Android (android.graphics.Color)	4283728469 (0xFF548255)
YUV	111.1160, -12.8752, -23.7807
Hunter-Lab	43.0186, -20.1903, 14.3113

Details

The Yxy color **18.5060, 0.3070, 0.4279** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.6695, 0.3181, 0.2467**, and the grayscale version is **15.9720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7671, 0.3093, 0.4028**, and **6.2411, 0.3002, 0.4769** is the 20% darker color. If you saturate the color by 10%, you get **17.7774, 0.3052, 0.4614**, and if you desaturate by 10%, it is **19.3838, 0.3087, 0.3963**.

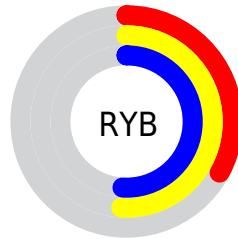
Distribution



Red (33%)

Green (51%)

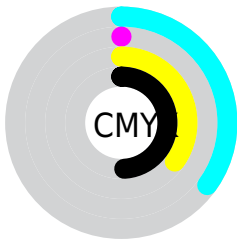
Blue (33%)



Red (33%)

Yellow (51%)

Blue (51%)

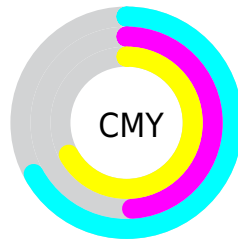


Cyan (35%)

Magenta (0%)

Yellow (35%)

Black (49%)



Cyan (67%)


Magenta (49%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5060, 0.3070, 0.4279 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 18.5060, 0.3070, 0.4279 by changing the saturation by 10% instead.


 18.5060, 0.3070,
0.4279


 18.5060, 0.3070,
0.4279


243.7079, 0.3118,
0.3683

 11.3139, 0.3046,
0.4476


 40.8977, 0.3095,
0.4031


 6.2784, 0.3002,
0.4769


 56.8660, 0.3101,
0.3948

 3.0151, 0.2913,
0.5242

 76.5285, 0.3106,
0.3882

 1.1396, 0.2789,
0.7211

 100.2696, 0.3110,
0.3827

 0.0115, 0.0000,
1.0000

 128.4737, 0.3112,
0.3782

 0.0000, 0.0000,
0.0000

161.5252, 0.3115,

0.3744

199.8084, 0.3116,
0.3711

■ 18.5060, 0.3070,
0.4279

■ 18.5060, 0.3070,
0.4279

■ 17.7774, 0.3052,
0.4614

■ 19.3838, 0.3087,
0.3963

■ 17.1876, 0.3035,
0.4954

■ 20.4161, 0.3104,
0.3674

■ 16.7284, 0.3020,
0.5277


■ 21.6104, 0.3119,
0.3416

■ 16.3899, 0.3009,
0.5560


■ 22.9736, 0.3133,
0.3190


■ 16.1608, 0.3001,
0.5780

■ 24.5116, 0.3146,
0.2993


 16.0245, 0.2997,
0.5925

 26.2304, 0.3157,
0.2822

 15.9731, 0.2994,
0.5979

 28.1357, 0.3167,
0.2676

 30.2327, 0.3175,
0.2549

 32.5268, 0.3183,
0.2440

Harmonies

Analogous

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



18.5060, 0.3662, 0.4399



18.5060, 0.3070, 0.4279



18.5060, 0.2523, 0.3788

Triad

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



18.5060, 0.3070, 0.4279



18.5060, 0.2171, 0.2387



18.5060, 0.4192, 0.3277

Complementary

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



18.5060, 0.3070, 0.4279



12.6695, 0.3181, 0.2467

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.



18.5060, 0.3712, 0.2842



18.5060, 0.3070, 0.4279



18.5060, 0.2534, 0.2348

Square

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



18.5060, 0.3070, 0.4279



18.5060, 0.2041, 0.2657



18.5060, 0.3089, 0.2513



18.5060, 0.4345, 0.3747

Rectangle

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



18.5060, 0.3070, 0.4279



18.5060, 0.2255, 0.3365



18.5060, 0.3089, 0.2513



18.5060, 0.4061, 0.3124

Sweetspot

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



18.5068, 0.3070, 0.4279



36.7882, 0.3111, 0.3563



21.2926, 0.3627, 0.4136



8.2757, 0.3109, 0.3592



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.



18.5068, 0.3070, 0.4279



31.5954, 0.3057, 0.4531



18.9287, 0.2850, 0.3765



4.8202, 0.3114, 0.3507



15.3144, 0.2994, 0.5978



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6695, 0.3181, 0.2467



19.8019, 0.3193, 0.2300



12.1300, 0.3538, 0.2863



4.4108, 0.3140, 0.3082



6.0236, 0.3263, 0.1571



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5060, 0.3070, 0.4279 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 18.5060, 0.3070, 0.4279 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 18.5060, 0.3070, 0.4279

Background



This preview shows how black text looks on a background with the Yxy color 18.5060, 0.3070, 0.4279.



This preview shows how white text looks on a background with the Yxy color 18.5060, 0.3070, 0.4279.

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

18.5060, 0.3070, 0.4279

Protanopia

18.4400, 0.3734, 0.4027

Deuteranopia

18.3313, 0.3805, 0.3743



Tritanopia

18.4637, 0.2681, 0.3090

Trichromacy



Original Color

18.5060, 0.3070, 0.4279

Protanomaly

18.2858, 0.3472, 0.4118

Deuteranomaly

18.1306, 0.3509, 0.3922

Tritanomaly

18.3563, 0.2826, 0.3498

Monochromacy



Original Color

18.5060, 0.3070, 0.4279

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.6829, 0.3099, 0.3629

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5060, 0.3070, 0.4279 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(84, 130, 85)` looks like.

```
.text, #text, p{  
  color:rgb(84, 130, 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(84, 130, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 130, 85) }
```

Border

The CSS property to change the border of an element to Yxy 18.5060, 0.3070, 0.4279 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(84, 130, 85) }
```

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

```
.border{ border-color:rgb(84, 130, 85) }
```

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

Here you see how a box with a 4 pixel rgb(84, 130, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 130, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 130, 85);  
box-shadow:4px 4px 4px 4px rgb(84, 130,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5060, 0.3070, 0.4279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 130, 85) }
```

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

```
.background{ background-color: rgb(84, 130,  
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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