

Converting Colors

$Yxy(18.1101, 0.2981, 0.4357)$

Have a look what the booklet for
Yxy(18.1101, 0.2981, 0.4357)
contains.

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Color

$Y_{xy}(18.0456, 0.2985, 0.4356)$

Conversions

Conversions Part 1

Format	Color
Hex	4A8253
RGB	74, 130, 83
RGB Percent	29%, 51%, 33%
CMY	0.7099, 0.4902, 0.6745
CMYK	0.43, 0.00, 0.36, 0.49
HSL	130°, 27%, 40%
HSV	130°, 43%, 51%
XYZ	12.3660, 18.0456, 11.0154
YIQ	107.8980, -18.2890, -26.4890

Conversions

Conversions Part 2

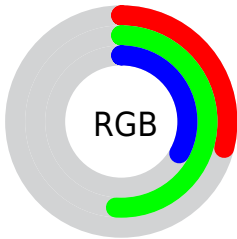
Format	Color
RYB	74, 122, 130
Decimal	4883027
CIELab	49.55, -29.19, 19.83
CIElCh	50, 35.289, 145.815
Yxy	18.0456, 0.2985, 0.4356
Android (android.graphics.Color)	4283073107 (0xFF4A8253)
YUV	107.8980, -12.2747, -29.7285
Hunter-Lab	42.4801, -22.3789, 14.3617

Details

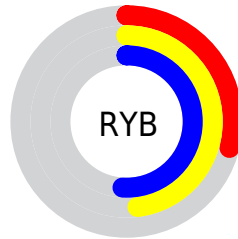
The Yxy color **18.0456, 0.2985, 0.4356** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.0189, 0.3317, 0.2420**, and the grayscale version is **15.0031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9960, 0.3035, 0.4077**, and **6.0415, 0.2872, 0.4910** is the 20% darker color. If you saturate the color by 10%, you get **17.4275, 0.2960, 0.4655**, and if you desaturate by 10%, it is **18.7984, 0.3015, 0.4070**.

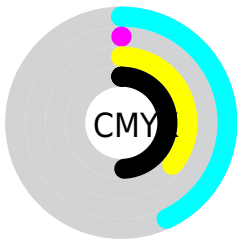
Distribution



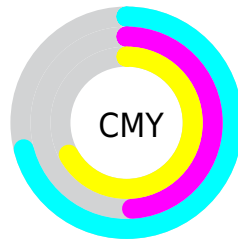
- Red (29%)
- Green (51%)
- Blue (33%)



- Red (29%)
- Yellow (48%)
- Blue (51%)



- Cyan (43%)
- Magenta (0%)
- Yellow (36%)
- Black (49%)




- Cyan (71%)
- Magenta (49%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.0456, 0.2985, 0.4356 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 18.0456, 0.2985, 0.4356 by changing the saturation by 10% instead.


 18.0456, 0.2985,
0.4356


 18.0456, 0.2985,
0.4356


241.1279, 0.3084,
0.3709


 10.9827, 0.2943,
0.4574


 40.1150, 0.3031,
0.4085


 6.0552, 0.2873,
0.4899

 55.8903, 0.3045,
0.3994


 2.8787, 0.2738,
0.5431

 75.3386, 0.3056,
0.3923

 1.0687, 0.2148,
0.7852

 98.8442, 0.3064,
0.3864

 0.0000, 0.0000,
0.0000

 126.7916, 0.3071,
0.3815

159.5650, 0.3076,

0.3774

197.5490, 0.3081,
0.3739

■ 18.0456, 0.2985,
0.4356

■ 18.0456, 0.2985,
0.4356

■ 17.4275, 0.2960,
0.4655

■ 18.7984, 0.3015,
0.4070

■ 16.9338, 0.2941,
0.4957

■ 19.6908, 0.3048,
0.3805

■ 16.5568, 0.2932,
0.5244


■ 20.7302, 0.3083,
0.3565


■ 16.2865, 0.2933,
0.5500

■ 21.9229, 0.3117,
0.3351

■ 16.1113, 0.2945,
0.5708


■ 23.2747, 0.3150,
0.3163

 16.0214, 0.2951,
0.5823

 24.7914, 0.3181,
0.2998

 26.4781, 0.3211,
0.2855

 28.3400, 0.3238,
0.2730

 30.3819, 0.3264,
0.2622

Harmonies

Analogous

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



18.0456, 0.3639, 0.4528



18.0456, 0.2985, 0.4356



18.0456, 0.2403, 0.3768

Triad

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



18.0456, 0.2985, 0.4356



18.0456, 0.2111, 0.2283



18.0456, 0.4346, 0.3321

Complementary

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



18.0456, 0.2985, 0.4356



11.0189, 0.3317, 0.2420

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.



18.0456, 0.3844, 0.2844



18.0456, 0.2985, 0.4356



18.0456, 0.2530, 0.2271

Square

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



18.0456, 0.2985, 0.4356



18.0456, 0.1943, 0.2542



18.0456, 0.3156, 0.2472



18.0456, 0.4465, 0.3833

Rectangle

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



18.0456, 0.2985, 0.4356



18.0456, 0.2131, 0.3291



18.0456, 0.3156, 0.2472



18.0456, 0.4215, 0.3155

Sweetspot

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



18.0464, 0.2985, 0.4356



36.4662, 0.3082, 0.3569



20.5698, 0.3634, 0.4349



8.1709, 0.3076, 0.3613



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.



18.0464, 0.2985, 0.4356



30.6804, 0.2959, 0.4658



18.5561, 0.2732, 0.3717



4.8292, 0.3096, 0.3476



15.3608, 0.2950, 0.5821



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.0189, 0.3317, 0.2420



16.5498, 0.3374, 0.2234



10.4398, 0.3806, 0.2910



4.4009, 0.3159, 0.3111



5.6107, 0.3648, 0.1784



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0456, 0.2985, 0.4356 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 18.0456, 0.2985, 0.4356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

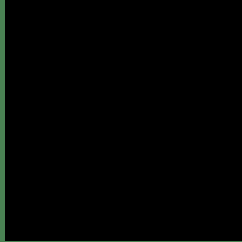
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0456, 0.2985, 0.4356

Background



This preview shows how black text looks on a background with the Yxy color 18.0456, 0.2985, 0.4356.



This preview shows how white text looks on a background with the Yxy color 18.0456, 0.2985, 0.4356.

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

18.0456, 0.2985, 0.4356

Protanopia

17.7847, 0.3744, 0.4038

Deuteranopia

17.6797, 0.3816, 0.3749



Tritanopia

18.0678, 0.2605, 0.3085

Trichromacy



Original Color

18.0456, 0.2985, 0.4356

Protanomaly

17.6864, 0.3432, 0.4160

Deuteranomaly

17.5104, 0.3470, 0.3959

Tritanomaly

17.9088, 0.2746, 0.3525

Monochromacy



Original Color

18.0456, 0.2985, 0.4356

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.8784, 0.3072, 0.3661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0456, 0.2985, 0.4356 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(74, 130, 83)` looks like.

```
.text, #text, p{  
    color:rgb(74, 130, 83)  
}
```

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(74, 130, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 130, 83) }
```

Border

The CSS property to change the border of an element to Yxy 18.0456, 0.2985, 0.4356 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(74, 130, 83) }
```

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

```
.border{ border-color:rgb(74, 130, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 130, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 130, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 130, 83);  
box-shadow:4px 4px 4px 4px rgb(74, 130,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0456, 0.2985, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 130, 83) }
```

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

```
.background{ background-color: rgb(74, 130,  
83) }
```

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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