

Converting Colors

$Y_{xy}(18.1727, 0.2979, 0.5311)$

Have a look what the booklet for
Yxy(18.1727, 0.2979, 0.5311)
contains.

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Color

$Y_{xy}(18.3015, 0.2980, 0.5309)$

Conversions

Conversions Part 1

Format	Color
Hex	298831
RGB	41, 136, 49
RGB Percent	16%, 53%, 19%
CMY	0.8393, 0.4667, 0.8078
CMYK	0.70, 0.00, 0.64, 0.47
HSL	125°, 54%, 35%
HSV	125°, 70%, 53%
XYZ	10.2728, 18.3015, 5.8983
YIQ	97.6770, -28.6930, -47.1970

Conversions

Conversions Part 2

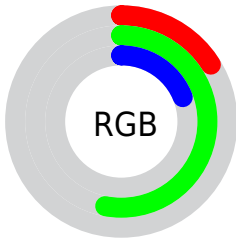
Format	Color
RYB	41, 129, 136
Decimal	2721841
CIELab	49.86, -45.71, 37.88
CIELCh	50, 59.362, 140.353
Yxy	18.3015, 0.2980, 0.5309
Android (android.graphics.Color)	4280911921 (0xFF298831)
YUV	97.6770, -23.9978, -49.7057
Hunter-Lab	42.7803, -32.0022, 21.7717

Details

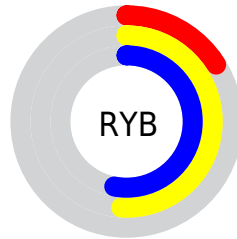
The Yxy color **18.3015, 0.2980, 0.5309** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **8.3774, 0.3338, 0.1884**, and the grayscale version is **12.1955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4371, 0.3064, 0.4780**, and **6.4970, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **17.9784, 0.2975, 0.5574**, and if you desaturate by 10%, it is **18.7518, 0.2992, 0.5004**.

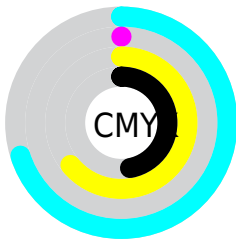
Distribution



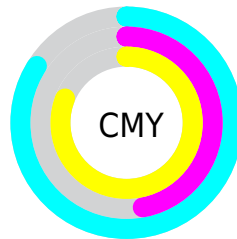
- Red (16%)
- Green (53%)
- Blue (19%)



- Red (16%)
- Yellow (51%)
- Blue (53%)



- Cyan (70%)
- Magenta (0%)
- Yellow (64%)
- Black (47%)





- Cyan (84%)
- Magenta (47%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3015, 0.2980, 0.5309 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 18.3015, 0.2980, 0.5309 by changing the saturation by 10% instead.


 18.3015, 0.2980,
0.5309


 18.3015, 0.2980,
0.5309


242.5650, 0.3128,
0.4066


 11.1667, 0.2890,
0.5719


 40.5504, 0.3064,
0.4788


 6.1790, 0.2723,
0.6306

 56.4333, 0.3085,
0.4614


 2.9543, 0.2493,
0.7507

 76.0009, 0.3099,
0.4475

 1.1079, 0.0000,
1.0000

 99.6378, 0.3109,
0.4363

 0.0000, 0.0000,
0.0000

 127.7282, 0.3116,
0.4269

 160.6566, 0.3121,

0.4191

198.8074, 0.3125,
0.4124

■ 18.3015, 0.2980,
0.5309

■ 18.3015, 0.2980,
0.5309

■ 17.9784, 0.2975,
0.5574

■ 18.7518, 0.2992,
0.5004

■ 17.7673, 0.2977,
0.5781

■ 19.3382, 0.3010,
0.4681

■ 17.6361, 0.2979,
0.5922

■ 20.0714, 0.3031,
0.4358

■ 17.6345, 0.2979,
0.5923

■ 20.9604, 0.3055,
0.4051

■ 22.0134, 0.3080,
0.3768

■ 23.2382, 0.3104,
0.3513

■ 24.6419, 0.3127,
0.3287

■ 26.2313, 0.3149,
0.3090

■ 28.0130, 0.3170,
0.2918

Harmonies

Analogous

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



18.3015, 0.3984, 0.5257



18.3015, 0.2980, 0.5309



18.3015, 0.2065, 0.4343

Triad

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



18.3015, 0.2980, 0.5309



18.3015, 0.1513, 0.1772



18.3015, 0.5046, 0.3103

Complementary

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



18.3015, 0.2980, 0.5309



8.3774, 0.3338, 0.1884

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.



18.3015, 0.4099, 0.2458



18.3015, 0.2980, 0.5309



18.3015, 0.2031, 0.1731

Square

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



18.3015, 0.2980, 0.5309



18.3015, 0.1338, 0.2163



18.3015, 0.2934, 0.1972



18.3015, 0.5290, 0.3822

Rectangle

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



18.3015, 0.2980, 0.5309



18.3015, 0.1641, 0.3446



18.3015, 0.2934, 0.1972



18.3015, 0.4793, 0.2877

Sweetspot

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



18.3023, 0.2980, 0.5309



38.4767, 0.3076, 0.3811



22.3650, 0.3944, 0.4868



8.8050, 0.3070, 0.3877



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.3023, 0.2980, 0.5309



31.4377, 0.2975, 0.5706



18.9325, 0.2634, 0.4209



5.6146, 0.3106, 0.3496



16.6904, 0.2978, 0.5921



0.1117, 0.2882, 0.5576

Inverse Universe

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



8.3774, 0.3338, 0.1884



12.7230, 0.3388, 0.1726



7.4073, 0.4387, 0.2617



5.1218, 0.3149, 0.3092



6.3443, 0.3427, 0.1662



0.0431, 0.3309, 0.1596

Previews

White Background



This preview shows how the Yxy color 18.3015, 0.2980, 0.5309 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 18.3015, 0.2980, 0.5309 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 18.3015, 0.2980, 0.5309

Background



This preview shows how black text looks on a background with the Yxy color 18.3015, 0.2980, 0.5309.



This preview shows how white text looks on a background with the Yxy color 18.3015, 0.2980, 0.5309.

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

18.3015, 0.2980, 0.5309

Protanopia

18.0442, 0.4165, 0.4569

Deuteranopia

17.8936, 0.4298, 0.4229



Tritanopia

18.1720, 0.2429, 0.3060

Trichromacy



Original Color

18.3015, 0.2980, 0.5309



Protanomaly

17.5171, 0.3626, 0.4897



Deuteranomaly

17.0576, 0.3706, 0.4667



Tritanomaly

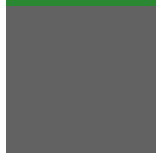
17.8757, 0.2634, 0.3837

Monochromacy



Original Color

18.3015, 0.2980, 0.5309



Achromatopsia

12.2139, 0.3127, 0.3290



Achromatomaly

13.7453, 0.3053, 0.4073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3015, 0.2980, 0.5309 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(41, 136, 49)` looks like.

```
.text, #text, p{  
    color:rgb(41, 136, 49)  
}
```

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(41, 136, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 136, 49) }
```

Border

The CSS property to change the border of an element to Yxy 18.3015, 0.2980, 0.5309 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(41, 136, 49) }
```

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

```
.border{ border-color:rgb(41, 136, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 136, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 136, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 136, 49);  
box-shadow:4px 4px 4px 4px rgb(41, 136,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3015, 0.2980, 0.5309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 136, 49) }
```

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

```
.background{ background-color: rgb(41, 136,  
49) }
```

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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