

Converting Colors

$Y_{xy}(18.5567, 0.2948, 0.5518)$

Have a look what the booklet for
Yxy(18.5567, 0.2948, 0.5518)
contains.

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Color

Yxy(18.5567, 0.2948, 0.5518)

Conversions

Conversions Part 1

Format	Color
Hex	1A8A29
RGB	26, 138, 41
RGB Percent	10%, 54%, 16%
CMY	0.8983, 0.4588, 0.8391
CMYK	0.81, 0.00, 0.70, 0.46
HSL	128°, 68%, 32%
HSV	128°, 81%, 54%
XYZ	9.9139, 18.5567, 5.1587
YIQ	93.4540, -35.6150, -53.9110

Conversions

Conversions Part 2

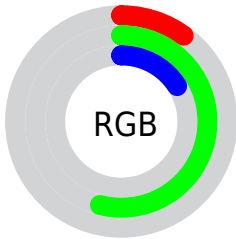
Format	Color
R_{YB}	26, 125, 138
Decimal	1739305
CIE _{Lab}	50.16, -49.83, 41.71
CIE _{LCh}	50, 64.979, 140.070
Yxy	18.5567, 0.2948, 0.5518
Android (android.graphics.Color)	4279929385 (0xFF1A8A29)
YUV	93.4540, -25.8598, -59.1572
Hunter-Lab	43.0775, -34.3052, 23.0540

Details

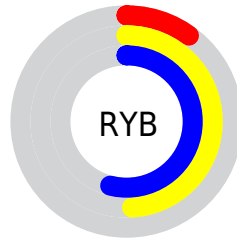
The Yxy color **18.5567, 0.2948, 0.5518** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.5684, 0.3483, 0.1828**, and the grayscale version is **11.1235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1879, 0.3050, 0.4942**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.3466, 0.2956, 0.5729**, and if you desaturate by 10%, it is **18.8811, 0.2949, 0.5255**.

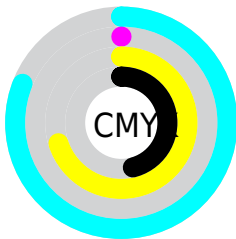
Distribution



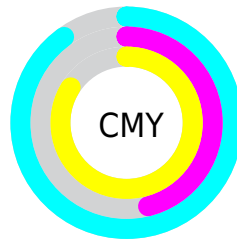
- Red (10%)
- Green (54%)
- Blue (16%)



- Red (10%)
- Yellow (49%)
- Blue (54%)



- Cyan (81%)
- Magenta (0%)
- Yellow (70%)
- Black (46%)




- Cyan (90%)
- Magenta (46%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5567, 0.2948, 0.5518 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 18.5567, 0.2948, 0.5518 by changing the saturation by 10% instead.


 18.5567, 0.2948,
0.5518


 18.5567, 0.2948,
0.5518

243.9904, 0.3129,
0.4146


 11.3504, 0.2839,
0.5963


 40.9837, 0.3051,
0.4945


 6.3030, 0.2643,
0.6602


 56.9731, 0.3077,
0.4753

 3.0302, 0.2304,
0.7696

 76.6591, 0.3094,
0.4600

 1.1475, 0.0000,
1.0000

 100.4260, 0.3106,
0.4475

 0.0182, 0.0000,
1.0000

 128.6582, 0.3115,
0.4372

 0.0000, 0.0000,
0.0000

 161.7400, 0.3121,

0.4285

200.0560, 0.3125,
0.4210

■ 18.5567, 0.2948,
0.5518

■ 18.5567, 0.2948,
0.5518

■ 18.3466, 0.2956,
0.5729

■ 18.8811, 0.2949,
0.5255

■ 18.2239, 0.2963,
0.5868

■ 19.3307, 0.2960,
0.4959

■ 19.9177, 0.2979,
0.4649

■ 20.6520, 0.3003,
0.4340

■ 21.5429, 0.3032,
0.4047

■ 22.5988, 0.3062,
0.3776

■ 23.8273, 0.3093,
0.3531

■ 25.2358, 0.3124,
0.3314

■ 26.8311, 0.3153,
0.3124

Harmonies

Analogous

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



18.5567, 0.4016, 0.5394



18.5567, 0.2948, 0.5518



18.5567, 0.1978, 0.4461

Triad

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



18.5567, 0.2948, 0.5518



18.5567, 0.1408, 0.1671



18.5567, 0.5204, 0.3060

Complementary

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



18.5567, 0.2948, 0.5518



7.5684, 0.3483, 0.1828

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.



18.5567, 0.4167, 0.2388



18.5567, 0.2948, 0.5518



18.5567, 0.1944, 0.1631

Square

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



18.5567, 0.2948, 0.5518



18.5567, 0.1227, 0.2074



18.5567, 0.2900, 0.1882



18.5567, 0.5451, 0.3808

Rectangle

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



18.5567, 0.2948, 0.5518



18.5567, 0.1534, 0.3459



18.5567, 0.2900, 0.1882



18.5567, 0.4929, 0.2826

Sweetspot

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



18.5575, 0.2948, 0.5518



39.1817, 0.3052, 0.3863



22.4683, 0.3939, 0.5070



8.6588, 0.3043, 0.3947



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.



18.5575, 0.2948, 0.5518



32.1617, 0.2967, 0.5852



19.2587, 0.2575, 0.4250



5.6185, 0.3099, 0.3485



16.7089, 0.2962, 0.5864



0.1122, 0.2821, 0.5354

Inverse Universe

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



7.5684, 0.3483, 0.1828



12.0140, 0.3566, 0.1751



6.5457, 0.4870, 0.2687



5.1176, 0.3156, 0.3103



6.1864, 0.3570, 0.1740



0.0426, 0.3373, 0.1632

Previews

White Background



This preview shows how the Yxy color 18.5567, 0.2948, 0.5518 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 18.5567, 0.2948, 0.5518 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 18.5567, 0.2948, 0.5518

Background



This preview shows how black text looks on a background with the Yxy color 18.5567, 0.2948, 0.5518.



This preview shows how white text looks on a background with the Yxy color 18.5567, 0.2948, 0.5518.

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

18.5567, 0.2948, 0.5518

Protanopia

18.3076, 0.4229, 0.4667

Deuteranopia

18.2436, 0.4375, 0.4311



Tritanopia

18.5567, 0.2396, 0.3081

Trichromacy



Original Color

18.5567, 0.2948, 0.5518



Protanomaly

17.4413, 0.3611, 0.5068



Deuteranomaly

17.0079, 0.3695, 0.4810



Tritanomaly

18.1102, 0.2606, 0.3960

Monochromacy



Original Color

18.5567, 0.2948, 0.5518



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

12.6969, 0.3023, 0.4190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5567, 0.2948, 0.5518 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(26, 138, 41)` looks like.

```
.text, #text, p{  
    color:rgb(26, 138, 41)  
}
```

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(26, 138, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 138, 41) }
```

Border

The CSS property to change the border of an element to Yxy 18.5567, 0.2948, 0.5518 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(26, 138, 41) }
```

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

```
.border{ border-color:rgb(26, 138, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 138, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 138, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 138, 41);  
box-shadow:4px 4px 4px 4px rgb(26, 138,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5567, 0.2948, 0.5518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 138, 41) }
```

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

```
.background{ background-color: rgb(26, 138,  
41) }
```

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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