

Converting Colors

$Y_{xy}(18.4626, 0.2976, 0.5585)$

Have a look what the booklet for
Yxy(18.4626, 0.2976, 0.5585)
contains.

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Color

Yxy(18.5435, 0.2972, 0.5581)

Conversions

Conversions Part 1

Format	Color
Hex	1B8A25
RGB	27, 138, 37
RGB Percent	11%, 54%, 15%
CMY	0.8940, 0.4588, 0.8549
CMYK	0.80, 0.00, 0.73, 0.46
HSL	125°, 67%, 32%
HSV	125°, 80%, 54%
XYZ	9.8748, 18.5435, 4.8078
YIQ	93.2970, -33.7350, -54.9430

Conversions

Conversions Part 2

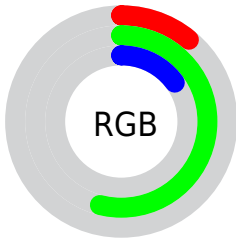
Format	Color
R_{YB}	27, 129, 138
Decimal	1804837
CIE Lab	50.15, -50.07, 43.36
CIE LCh	50, 66.235, 139.109
Yxy	18.5435, 0.2972, 0.5581
Android (android.graphics.Color)	4279994917 (0xFF1B8A25)
YUV	93.2970, -27.7544, -58.1425
Hunter-Lab	43.0622, -34.4260, 23.5239

Details

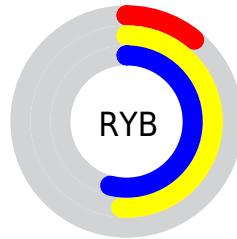
The Yxy color **18.5435, 0.2972, 0.5581** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7.7484, 0.3382, 0.1774**, and the grayscale version is **11.0938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1717, 0.3077, 0.4999**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.3324, 0.2975, 0.5785**, and if you desaturate by 10%, it is **18.8717, 0.2976, 0.5318**.

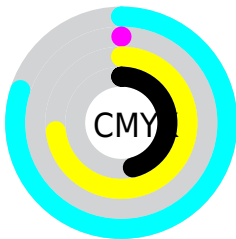
Distribution



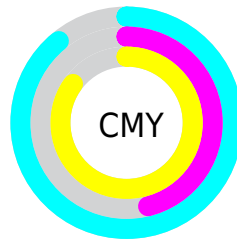
- Red (11%)
- Green (54%)
- Blue (15%)



- Red (11%)
- Yellow (51%)
- Blue (54%)



- Cyan (80%)
- Magenta (0%)
- Yellow (73%)
- Black (46%)




- Cyan (89%)
- Magenta (46%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5435, 0.2972, 0.5581 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 18.5435, 0.2972, 0.5581 by changing the saturation by 10% instead.


 18.5435, 0.2972,
0.5581


 18.5435, 0.2972,
0.5581


243.9169, 0.3145,
0.4172


 11.3409, 0.2861,
0.6033


 40.9613, 0.3074,
0.4995


 6.2966, 0.2666,
0.6694


 56.9452, 0.3099,
0.4798

 3.0263, 0.2290,
0.7710

 76.6251, 0.3115,
0.4640

 1.1455, 0.0000,
1.0000

 100.3853, 0.3126,
0.4512

 0.0165, 0.0000,
1.0000

 128.6102, 0.3133,
0.4405

 0.0000, 0.0000,
0.0000

 161.6841, 0.3139,

0.4315

199.9916, 0.3142,
0.4239

■ 18.5435, 0.2972,
0.5581

■ 18.5435, 0.2972,
0.5581

■ 18.3324, 0.2975,
0.5785

■ 18.8717, 0.2976,
0.5318

■ 18.2048, 0.2978,
0.5920

■ 19.3282, 0.2988,
0.5015

■ 19.9254, 0.3006,
0.4693

■ 20.6736, 0.3027,
0.4371

■ 21.5821, 0.3052,
0.4064

■ 22.6595, 0.3077,
0.3780

■ 23.9138, 0.3102,
0.3525

■ 25.3524, 0.3126,
0.3299

■ 26.9824, 0.3149,
0.3101

Harmonies

Analogous

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



18.5435, 0.4053, 0.5406



18.5435, 0.2972, 0.5581



18.5435, 0.1982, 0.4534

Triad

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



18.5435, 0.2972, 0.5581



18.5435, 0.1374, 0.1654



18.5435, 0.5220, 0.3028

Complementary

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



18.5435, 0.2972, 0.5581



7.7484, 0.3382, 0.1774

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.



18.5435, 0.4144, 0.2354



18.5435, 0.2972, 0.5581



18.5435, 0.1901, 0.1605

Square

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



18.5435, 0.2972, 0.5581



18.5435, 0.1201, 0.2073



18.5435, 0.2856, 0.1849



18.5435, 0.5494, 0.3780

Rectangle

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



18.5435, 0.2972, 0.5581



18.5435, 0.1525, 0.3506



18.5435, 0.2856, 0.1849



18.5435, 0.4931, 0.2792

Sweetspot

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



18.5443, 0.2972, 0.5581



39.1248, 0.3067, 0.3894



22.9045, 0.4005, 0.5012



8.6450, 0.3059, 0.3982



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.



18.5443, 0.2972, 0.5581



32.1461, 0.2981, 0.5894



19.1794, 0.2616, 0.4378



5.6150, 0.3105, 0.3495



16.6920, 0.2977, 0.5916



0.1117, 0.2875, 0.5552

Inverse Universe

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



7.7484, 0.3382, 0.1774



12.3280, 0.3436, 0.1683



6.6733, 0.4692, 0.2591



5.1214, 0.3150, 0.3093



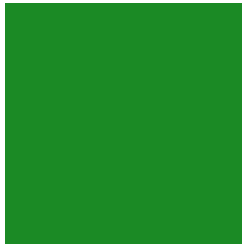
6.3272, 0.3442, 0.1670



0.0431, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 18.5435, 0.2972, 0.5581 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 18.5435, 0.2972, 0.5581 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 18.5435, 0.2972, 0.5581

Background



This preview shows how black text looks on a background with the Yxy color 18.5435, 0.2972, 0.5581.



This preview shows how white text looks on a background with the Yxy color 18.5435, 0.2972, 0.5581.

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

18.5435, 0.2972, 0.5581

Protanopia

18.2845, 0.4256, 0.4708

Deuteranopia

18.3114, 0.4417, 0.4341



Tritanopia

18.5567, 0.2396, 0.3081

Trichromacy



Original Color

18.5435, 0.2972, 0.5581



Protanomaly

17.4169, 0.3636, 0.5122



Deuteranomaly

17.0365, 0.3742, 0.4864



Tritanomaly

18.1148, 0.2621, 0.3984

Monochromacy



Original Color

18.5435, 0.2972, 0.5581



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

12.6835, 0.3034, 0.4217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5435, 0.2972, 0.5581 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(27, 138, 37)` looks like.

```
.text, #text, p{  
    color:rgb(27, 138, 37)  
}
```

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(27, 138, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 138, 37) }
```

Border

The CSS property to change the border of an element to Yxy 18.5435, 0.2972, 0.5581 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(27, 138, 37) }
```

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

```
.border{ border-color:rgb(27, 138, 37) }
```

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

Here you see how a box with a 4 pixel rgb(27, 138, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 138, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 138, 37);  
box-shadow:4px 4px 4px 4px rgb(27, 138,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5435, 0.2972, 0.5581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 138, 37) }
```

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

```
.background{ background-color: rgb(27, 138,  
37) }
```

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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