

Converting Colors

$Y_{xy}(18.3359, 0.2821, 0.5356)$

Have a look what the booklet for
Yxy(18.3359, 0.2821, 0.5356)
contains.

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Color

$\text{Yxy}(18.4249, 0.2820, 0.5352)$

Conversions

Conversions Part 1

Format	Color
Hex	008A34
RGB	0, 138, 52
RGB Percent	0%, 54%, 20%
CMY	1.0000, 0.4588, 0.7961
CMYK	1.00, 0.00, 0.62, 0.46
HSL	143°, 100%, 27%
HSV	143°, 100%, 54%
XYZ	9.7082, 18.4249, 6.2931
YIQ	86.9340, -54.6420, -56.0020

Conversions

Conversions Part 2

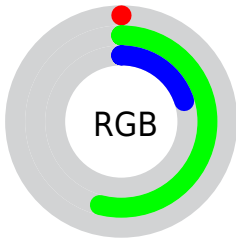
Format	Color
RYB	0, 100, 138
Decimal	35380
CIELab	50.01, -50.79, 36.48
CIELCh	50, 62.533, 144.313
Yxy	18.4249, 0.2820, 0.5352
Android (android.graphics.Color)	4278225460 (0xFF008A34)
YUV	86.9340, -17.2225, -76.2411
Hunter-Lab	42.9242, -34.7460, 21.3545

Details

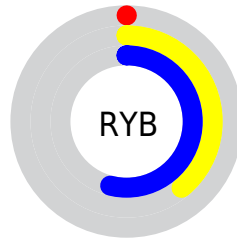
The Yxy color **18.4249, 0.2820, 0.5352** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.0755, 0.4411, 0.2203**, and the grayscale version is **9.5628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9382, 0.2941, 0.4809**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.4257, 0.2820, 0.5352**, and if you desaturate by 10%, it is **18.6022, 0.2796, 0.5150**.

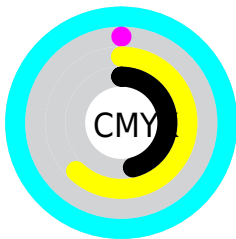
Distribution



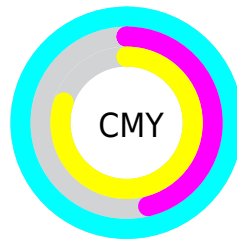
- Red (0%)
- Green (54%)
- Blue (20%)



- Red (0%)
- Yellow (39%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4249, 0.2820, 0.5352 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 18.4249, 0.2820, 0.5352 by changing the saturation by 10% instead.


 18.4249, 0.2820,
0.5352


 18.4249, 0.2820,
0.5352


243.2552, 0.3060,
0.4075


 11.2555, 0.2704,
0.5780


 40.7600, 0.2940,
0.4813


 6.2389, 0.2503,
0.6399


 56.6945, 0.2974,
0.4635


 2.9909, 0.2244,
0.7756

 76.3195, 0.2999,
0.4493

 1.1270, 0.0000,
1.0000

 100.0193, 0.3017,
0.4378

 0.0008, 0.0000,
1.0000

 128.1784, 0.3032,
0.4282

 0.0000, 0.0000,
0.0000

 161.1811, 0.3043,

0.4202

199.4120, 0.3052,
0.4134

■ 18.4249, 0.2820,
0.5352

■ 18.4249, 0.2820,
0.5352

■ 18.4257, 0.2820,
0.5352

■ 18.6022, 0.2796,
0.5150

■ 18.8512, 0.2783,
0.4931

■ 19.2047, 0.2786,
0.4699

■ 19.6740, 0.2807,
0.4463

■ 20.2693, 0.2841,
0.4232

■ 20.9991, 0.2887,
0.4010

■ 21.8717, 0.2941,
0.3804

■ 22.8942, 0.3001,
0.3614

■ 24.0737, 0.3063,
0.3443

Harmonies

Analogous

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



18.4249, 0.3864, 0.5404



18.4249, 0.2820, 0.5352



18.4249, 0.1910, 0.4213

Triad

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



18.4249, 0.2820, 0.5352



18.4249, 0.1503, 0.1689



18.4249, 0.5221, 0.3177

Complementary

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



18.4249, 0.2820, 0.5352



6.0755, 0.4411, 0.2203

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.



18.4249, 0.4304, 0.2502



18.4249, 0.2820, 0.5352



18.4249, 0.2085, 0.1691

Square

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



18.4249, 0.2820, 0.5352



18.4249, 0.1279, 0.2031



18.4249, 0.3073, 0.1975



18.4249, 0.5353, 0.3922

Rectangle

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



18.4249, 0.2820, 0.5352



18.4249, 0.1515, 0.3269



18.4249, 0.3073, 0.1975



18.4249, 0.4991, 0.2942

Sweetspot

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



18.4257, 0.2820, 0.5352



38.4446, 0.2937, 0.3816



20.2234, 0.3578, 0.5541



8.4923, 0.2917, 0.3890



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.



18.4257, 0.2820, 0.5352



32.4485, 0.2830, 0.5390



19.5242, 0.2362, 0.3702



5.6374, 0.3069, 0.3429



16.8957, 0.2818, 0.5345



0.1149, 0.2587, 0.4512

Inverse Universe

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



6.0755, 0.4411, 0.2203



10.6773, 0.4442, 0.2221



5.4485, 0.6186, 0.3182



5.0975, 0.3190, 0.3155



5.5730, 0.4405, 0.2200



0.0399, 0.3765, 0.1848

Previews

White Background



This preview shows how the Yxy color 18.4249, 0.2820, 0.5352 looks on a white background.

Color Contrast Check

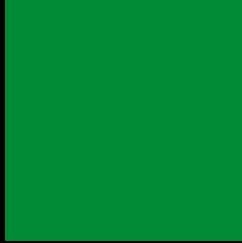
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4249, 0.2820, 0.5352 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 18.4249, 0.2820, 0.5352

Background



This preview shows how black text looks on a background with the Yxy color 18.4249, 0.2820, 0.5352.



This preview shows how white text looks on a background with the Yxy color 18.4249, 0.2820, 0.5352.

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

18.4249, 0.2820, 0.5352

Protanopia

18.2964, 0.4137, 0.4558

Deuteranopia

18.2475, 0.4256, 0.4181



Tritanopia

18.4062, 0.2353, 0.3058

Trichromacy



Original Color

18.4249, 0.2820, 0.5352



Protanomaly

17.0199, 0.3413, 0.4986



Deuteranomaly

16.5416, 0.3472, 0.4703



Tritanomaly

17.9426, 0.2499, 0.3848

Monochromacy



Original Color

18.4249, 0.2820, 0.5352



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

11.6147, 0.2857, 0.4166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4249, 0.2820, 0.5352 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(0, 138, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 52)  
}
```

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(0, 138, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 52) }
```

Border

The CSS property to change the border of an element to Yxy 18.4249, 0.2820, 0.5352 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(0, 138, 52) }
```

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

```
.border{ border-color:rgb(0, 138, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.4249, 0.2820, 0.5352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 52) }
```

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

```
.background{ background-color: rgb(0, 138,  
52) }
```

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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