

Converting Colors

$Y_{xy}(18.8642, 0.2927, 0.5739)$

Have a look what the booklet for
Yxy(18.8642, 0.2927, 0.5739)
contains.

Yxy(18.8499, 0.2929, 0.5743)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.8499, 0.2929, 0.5743)

Conversions

Conversions Part 1

Format	Color
Hex	008C1E
RGB	0, 140, 30
RGB Percent	0%, 55%, 12%
CMY	0.9994, 0.4510, 0.8824
CMYK	1.00, 0.00, 0.79, 0.45
HSL	133°, 100%, 27%
HSV	133°, 100%, 55%
XYZ	9.6137, 18.8499, 4.3588
YIQ	85.6000, -48.1300, -63.8900

Conversions

Conversions Part 2

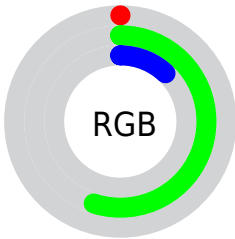
Format	Color
RYB	0, 115, 140
Decimal	35870
CIELab	50.51, -53.72, 46.26
CIELCh	51, 70.893, 139.271
Yxy	18.8499, 0.2929, 0.5743
Android (android.graphics.Color)	4278225950 (0xFF008C1E)
YUV	85.6000, -27.4108, -75.0712
Hunter-Lab	43.4165, -36.4537, 24.4391

Details

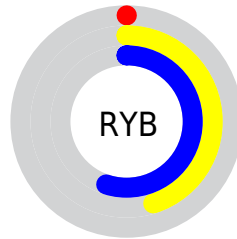
The Yxy color **18.8499, 0.2929, 0.5743** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.7082, 0.3818, 0.1878**, and the grayscale version is **9.2936, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5396, 0.3047, 0.5118**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.8491, 0.2929, 0.5745**, and if you desaturate by 10%, it is **19.0107, 0.2912, 0.5556**.

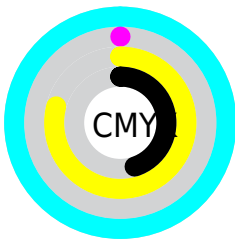
Distribution



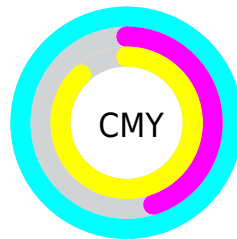
- Red (0%)
- Green (55%)
- Blue (12%)



- Red (0%)
- Yellow (45%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (79%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8499, 0.2929, 0.5743 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 18.8499, 0.2929, 0.5743 by changing the saturation by 10% instead.


 18.8499, 0.2929,
0.5743


 18.8499, 0.2929,
0.5743


245.6189, 0.3139,
0.4237


 11.5619, 0.2799,
0.6219


 41.4803, 0.3051,
0.5119

 6.4461, 0.2586,
0.6936


 57.5915, 0.3081,
0.4908


 3.1182, 0.2136,
0.7864

 77.4125, 0.3101,
0.4739

 1.1937, 0.0000,
1.0000

 101.3277, 0.3114,
0.4601

 0.0566, 0.0000,
1.0000

 129.7216, 0.3124,
0.4486

 0.0000, 0.0000,
0.0000

 162.9785, 0.3131,

0.4390

201.4828, 0.3136,
0.4308

18.8499, 0.2929,
0.5743

18.8499, 0.2929,
0.5743

18.8491, 0.2929,
0.5745

19.0107, 0.2912,
0.5556

19.2531, 0.2899,
0.5326

19.6107, 0.2900,
0.5061

20.0962, 0.2913,
0.4777

20.7206, 0.2936,
0.4488

■ 21.4938, 0.2968,
0.4207

■ 22.4246, 0.3005,
0.3943

■ 23.5212, 0.3045,
0.3700

■ 24.7913, 0.3086,
0.3482

Harmonies

Analogous

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



18.8499, 0.4057, 0.5510



18.8499, 0.2929, 0.5743



18.8499, 0.1903, 0.4615

Triad

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



18.8499, 0.2929, 0.5743



18.8499, 0.1300, 0.1575



18.8499, 0.5352, 0.3001

Complementary

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



18.8499, 0.2929, 0.5743



6.7082, 0.3818, 0.1878

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.



18.8499, 0.4210, 0.2307



18.8499, 0.2929, 0.5743



18.8499, 0.1843, 0.1532

Square

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



18.8499, 0.2929, 0.5743



18.8499, 0.1119, 0.1997



18.8499, 0.2841, 0.1786



18.8499, 0.5613, 0.3770

Rectangle

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



18.8499, 0.2929, 0.5743



18.8499, 0.1437, 0.3499



18.8499, 0.2841, 0.1786



18.8499, 0.5049, 0.2759

Sweetspot

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



18.8507, 0.2929, 0.5743



39.4041, 0.3002, 0.3962



22.2031, 0.3851, 0.5323



8.9329, 0.2988, 0.4058



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



18.8507, 0.2929, 0.5743



33.2121, 0.2937, 0.5775



19.6397, 0.2520, 0.4272



5.6246, 0.3089, 0.3467



16.7510, 0.2927, 0.5737



0.1131, 0.2734, 0.5043

Inverse Universe

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



6.7082, 0.3818, 0.1878



11.7957, 0.3834, 0.1886



5.7467, 0.5704, 0.2917



5.1110, 0.3167, 0.3120



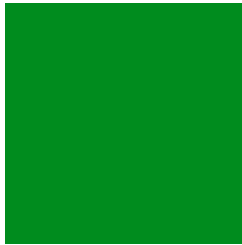
5.9599, 0.3816, 0.1876



0.0417, 0.3485, 0.1693

Previews

White Background



This preview shows how the Yxy color 18.8499, 0.2929, 0.5743 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 18.8499, 0.2929, 0.5743 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 18.8499, 0.2929, 0.5743

Background



This preview shows how black text looks on a background with the Yxy color 18.8499, 0.2929, 0.5743.



This preview shows how white text looks on a background with the Yxy color 18.8499, 0.2929, 0.5743.

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

18.8499, 0.2929, 0.5743

Protanopia

18.6540, 0.4311, 0.4763

Deuteranopia

18.6858, 0.4474, 0.4397



Tritanopia

18.7879, 0.2368, 0.3061

Trichromacy



Original Color

18.8499, 0.2929, 0.5743



Protanomaly

17.2363, 0.3565, 0.5285



Deuteranomaly

16.7927, 0.3661, 0.5016



Tritanomaly

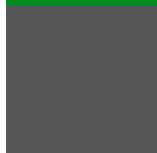
18.3831, 0.2571, 0.4061

Monochromacy



Original Color

18.8499, 0.2929, 0.5743



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.5136, 0.2944, 0.4395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8499, 0.2929, 0.5743 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, 140, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 30)  
}
```

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, 140, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 30) }
```

Border

The CSS property to change the border of an element to Yxy 18.8499, 0.2929, 0.5743 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, 140, 30) }
```

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

```
.border{ border-color:rgb(0, 140, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 30);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 30)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.8499, 0.2929, 0.5743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 30) }
```

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

```
.background{ background-color: rgb(0, 140,  
30) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor