

Converting Colors

$Y_{xy}(18.1716, 0.2936, 0.5770)$

Have a look what the booklet for
Yxy(18.1716, 0.2936, 0.5770)
contains.

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Color

$\text{Yxy}(18.2561, 0.2937, 0.5775)$

Conversions

Conversions Part 1

Format	Color
Hex	008A1B
RGB	0, 138, 27
RGB Percent	0%, 54%, 11%
CMY	1.0000, 0.4588, 0.8941
CMYK	1.00, 0.00, 0.80, 0.46
HSL	132°, 100%, 27%
HSV	132°, 100%, 54%
XYZ	9.2845, 18.2561, 4.0717
YIQ	84.0840, -46.6170, -63.7770

Conversions

Conversions Part 2

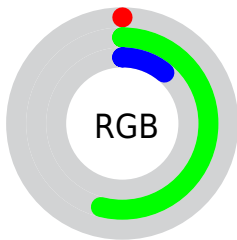
Format	Color
RYB	0, 115, 138
Decimal	35355
CIELab	49.81, -53.37, 46.58
CIELCh	50, 70.836, 138.888
Yxy	18.2561, 0.2937, 0.5775
Android (android.graphics.Color)	4278225435 (0xFF008A1B)
YUV	84.0840, -28.1424, -73.7417
Hunter-Lab	42.7272, -35.9848, 24.2590

Details

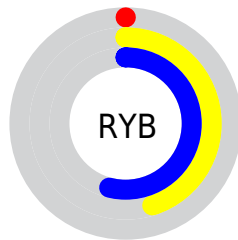
The Yxy color **18.2561, 0.2937, 0.5775** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.5515, 0.3761, 0.1845**, and the grayscale version is **8.9516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6039, 0.3063, 0.5144**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2581, 0.2937, 0.5775**, and if you desaturate by 10%, it is **18.4114, 0.2922, 0.5593**.

Distribution



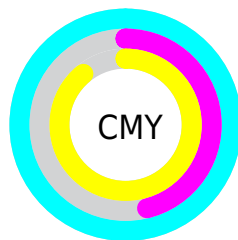
- Red (0%)
- Green (54%)
- Blue (11%)



- Red (0%)
- Yellow (45%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2561, 0.2937, 0.5775 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 18.2561, 0.2937, 0.5775 by changing the saturation by 10% instead.


 18.2561, 0.2937,
0.5775


 18.2561, 0.2937,
0.5775


242.3106, 0.3146,
0.4244


 11.1340, 0.2803,
0.6260


 40.4732, 0.3061,
0.5139

 6.1570, 0.2593,
0.7023

 56.3371, 0.3090,
0.4925

 2.9408, 0.2099,
0.7901

 75.8836, 0.3110,
0.4753

 1.1009, 0.0000,
1.0000

 99.4972, 0.3123,
0.4613


 0.0000, 0.0000,
0.0000


 127.5623, 0.3132,
0.4497


 160.4634, 0.3139,

0.4399


 198.5846, 0.3143,
0.4316


 18.2561, 0.2937,
0.5775

 18.2561, 0.2937,
0.5775


 18.2581, 0.2937,
0.5775

 18.4114, 0.2922,
0.5593

 18.6438, 0.2911,
0.5364

 18.9882, 0.2912,
0.5098

 19.4571, 0.2924,
0.4811

 20.0612, 0.2946,
0.4517

■ 20.8102, 0.2976,
0.4230

■ 21.7126, 0.3011,
0.3960

■ 22.7765, 0.3049,
0.3712

■ 24.0093, 0.3088,
0.3488

Harmonies

Analogous

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



18.2561, 0.4072, 0.5517



18.2561, 0.2937, 0.5775



18.2561, 0.1902, 0.4651

Triad

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



18.2561, 0.2937, 0.5775



18.2561, 0.1284, 0.1566



18.2561, 0.5363, 0.2986

Complementary

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



18.2561, 0.2937, 0.5775



6.5515, 0.3761, 0.1845

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.



18.2561, 0.4202, 0.2291



18.2561, 0.2937, 0.5775



18.2561, 0.1823, 0.1519

Square

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



18.2561, 0.2937, 0.5775



18.2561, 0.1106, 0.1993



18.2561, 0.2822, 0.1770



18.2561, 0.5635, 0.3757

Rectangle

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



18.2561, 0.2937, 0.5775



18.2561, 0.1430, 0.3519



18.2561, 0.2822, 0.1770



18.2561, 0.5053, 0.2743

Sweetspot

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



18.2581, 0.2937, 0.5775



38.1578, 0.3009, 0.3977



21.6702, 0.3880, 0.5301



8.4233, 0.2996, 0.4073



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.



18.2581, 0.2937, 0.5775



32.1611, 0.2945, 0.5804



18.9926, 0.2536, 0.4331



5.6232, 0.3092, 0.3471



16.7401, 0.2936, 0.5769



0.1129, 0.2753, 0.5109

Inverse Universe

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



6.5515, 0.3761, 0.1845



11.5246, 0.3774, 0.1853



5.5835, 0.5643, 0.2883



5.1125, 0.3165, 0.3116



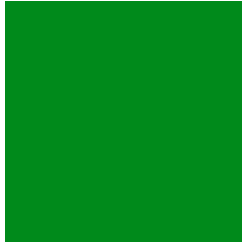
6.0082, 0.3758, 0.1844



0.0419, 0.3459, 0.1679

Previews

White Background



This preview shows how the Yxy color 18.2561, 0.2937, 0.5775 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 18.2561, 0.2937, 0.5775 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 18.2561, 0.2937, 0.5775

Background



This preview shows how black text looks on a background with the Yxy color 18.2561, 0.2937, 0.5775.



This preview shows how white text looks on a background with the Yxy color 18.2561, 0.2937, 0.5775.

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

18.2561, 0.2937, 0.5775

Protanopia

18.0013, 0.4326, 0.4778

Deuteranopia

18.0307, 0.4499, 0.4415



Tritanopia

18.4345, 0.2372, 0.3079

Trichromacy



Original Color

18.2561, 0.2937, 0.5775



Protanomaly

16.6645, 0.3581, 0.5308



Deuteranomaly

16.1758, 0.3671, 0.5051



Tritanomaly

17.7594, 0.2581, 0.4098

Monochromacy



Original Color

18.2561, 0.2937, 0.5775



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

11.0164, 0.2953, 0.4446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2561, 0.2937, 0.5775 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, 27)` looks like.

```
.text, #text, p{  
  color:rgb(0, 138, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 27) }
```

Border

The CSS property to change the border of an element to Yxy 18.2561, 0.2937, 0.5775 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, 27) }
```

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

```
.border{ border-color:rgb(0, 138, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 27)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2561, 0.2937, 0.5775 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, 27) }
```

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

```
.background{ background-color: rgb(0, 138,  
27) }
```

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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