

Converting Colors

$Y_{xy}(18.9422, 0.2915, 0.5695)$

Have a look what the booklet for
Yxy(18.9422, 0.2915, 0.5695)
contains.

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Color

Yxy(18.8717, 0.2913, 0.5687)

Conversions

Conversions Part 1

Format	Color
Hex	008C22
RGB	0, 140, 34
RGB Percent	0%, 55%, 13%
CMY	1.0000, 0.4510, 0.8667
CMYK	1.00, 0.00, 0.76, 0.45
HSL	135°, 100%, 27%
HSV	135°, 100%, 55%
XYZ	9.6665, 18.8717, 4.6457
YIQ	86.0560, -49.4140, -62.6460

Conversions

Conversions Part 2

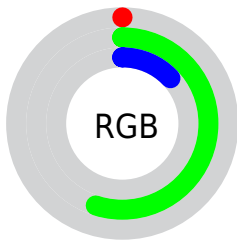
Format	Color
RYB	0, 113, 140
Decimal	35874
CIELab	50.54, -53.41, 44.83
CIELCh	51, 69.730, 139.989
Yxy	18.8717, 0.2913, 0.5687
Android (android.graphics.Color)	4278225954 (0xFF008C22)
YUV	86.0560, -25.6636, -75.4711
Hunter-Lab	43.4416, -36.3035, 24.0685

Details

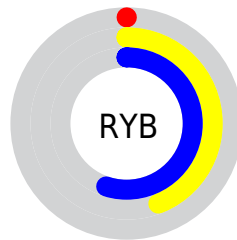
The Yxy color **18.8717, 0.2913, 0.5687** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.6166, 0.3918, 0.1932**, and the grayscale version is **9.3823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5869, 0.3032, 0.5074**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.8726, 0.2913, 0.5687**, and if you desaturate by 10%, it is **19.0369, 0.2893, 0.5494**.

Distribution



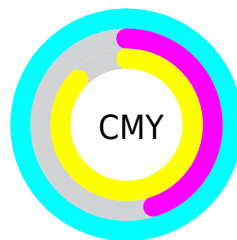
- Red (0%)
- Green (55%)
- Blue (13%)



- Red (0%)
- Yellow (44%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8717, 0.2913, 0.5687 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 18.8717, 0.2913, 0.5687 by changing the saturation by 10% instead.


 18.8717, 0.2913,
0.5687


 18.8717, 0.2913,
0.5687


245.7396, 0.3127,
0.4213


 11.5776, 0.2786,
0.6158


 41.5172, 0.3034,
0.5075


 6.4568, 0.2572,
0.6849


 57.6374, 0.3064,
0.4868


 3.1248, 0.2153,
0.7847

 77.4684, 0.3085,
0.4703

 1.1972, 0.0000,
1.0000

 101.3946, 0.3099,
0.4568

 0.0594, 0.0000,
1.0000

 129.8004, 0.3110,
0.4457

 0.0000, 0.0000,
0.0000

 163.0703, 0.3117,

0.4363

201.5885, 0.3123,
0.4282

■ 18.8717, 0.2913,
0.5687

■ 18.8717, 0.2913,
0.5687

■ 18.8726, 0.2913,
0.5687

■ 19.0369, 0.2893,
0.5494

■ 19.2818, 0.2880,
0.5263

■ 19.6404, 0.2880,
0.5002

■ 20.1253, 0.2894,
0.4724

■ 20.7474, 0.2919,
0.4445

■ 21.5164, 0.2953,
0.4174

■ 22.4410, 0.2993,
0.3920

■ 23.5293, 0.3037,
0.3687

■ 24.7887, 0.3082,
0.3477

Harmonies

Analogous

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



18.8717, 0.4029, 0.5499



18.8717, 0.2913, 0.5687



18.8717, 0.1903, 0.4552

Triad

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



18.8717, 0.2913, 0.5687



18.8717, 0.1329, 0.1592



18.8717, 0.5334, 0.3027

Complementary

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



18.8717, 0.2913, 0.5687



6.6166, 0.3918, 0.1932

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.



18.8717, 0.4227, 0.2336



18.8717, 0.2913, 0.5687



18.8717, 0.1878, 0.1555

Square

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



18.8717, 0.2913, 0.5687



18.8717, 0.1142, 0.2001



18.8717, 0.2876, 0.1813



18.8717, 0.5575, 0.3794

Rectangle

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



18.8717, 0.2913, 0.5687



18.8717, 0.1447, 0.3461



18.8717, 0.2876, 0.1813



18.8717, 0.5042, 0.2786

Sweetspot

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



18.8726, 0.2913, 0.5687



39.4510, 0.2990, 0.3936



21.9038, 0.3795, 0.5369



8.9445, 0.2975, 0.4028



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.



18.8726, 0.2913, 0.5687



33.2496, 0.2922, 0.5719



19.7298, 0.2488, 0.4156



5.6269, 0.3086, 0.3460



16.7711, 0.2911, 0.5679



0.1134, 0.2705, 0.4937

Inverse Universe

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



6.6166, 0.3918, 0.1932



11.6385, 0.3936, 0.1942



5.7114, 0.5822, 0.2981



5.1086, 0.3171, 0.3126



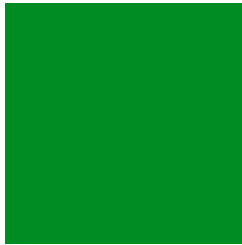
5.8820, 0.3914, 0.1930



0.0414, 0.3530, 0.1718

Previews

White Background



This preview shows how the Yxy color 18.8717, 0.2913, 0.5687 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 18.8717, 0.2913, 0.5687 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 18.8717, 0.2913, 0.5687

Background



This preview shows how black text looks on a background with the Yxy color 18.8717, 0.2913, 0.5687.



This preview shows how white text looks on a background with the Yxy color 18.8717, 0.2913, 0.5687.

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

18.8717, 0.2913, 0.5687

Protanopia

18.6725, 0.4289, 0.4730

Deuteranopia

18.6137, 0.4435, 0.4372



Tritanopia

19.0552, 0.2373, 0.3082

Trichromacy



Original Color

18.8717, 0.2913, 0.5687



Protanomaly

17.2561, 0.3544, 0.5238



Deuteranomaly

16.7589, 0.3626, 0.4980



Tritanomaly

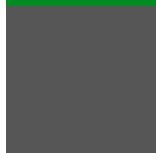
18.4028, 0.2563, 0.4036

Monochromacy



Original Color

18.8717, 0.2913, 0.5687



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.5255, 0.2933, 0.4367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8717, 0.2913, 0.5687 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 34) }
```

Border

The CSS property to change the border of an element to Yxy 18.8717, 0.2913, 0.5687 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, 34) }
```

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

```
.border{ border-color:rgb(0, 140, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 34);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 34)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.8717, 0.2913, 0.5687 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, 34) }
```

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

```
.background{ background-color: rgb(0, 140,  
34) }
```

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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