

Converting Colors

$Y_{xy}(19.3623, 0.3166, 0.5868)$

Have a look what the booklet for
Yxy(19.3623, 0.3166, 0.5868)
contains.

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Color

Yxy(19.2916, 0.3168, 0.5867)

Conversions

Conversions Part 1

Format	Color
Hex	2C8C00
RGB	44, 140, 0
RGB Percent	17%, 55%, 0%
CMY	0.8274, 0.4510, 1.0000
CMYK	0.69, 0.00, 1.00, 0.45
HSL	101°, 100%, 27%
HSV	101°, 100%, 55%
XYZ	10.4169, 19.2916, 3.1731
YIQ	95.3360, -12.2760, -63.8920

Conversions

Conversions Part 2

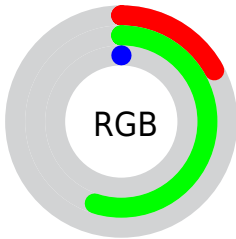
Format	Color
RYB	0, 140, 96
Decimal	2919424
CIELab	51.03, -49.63, 54.02
CIELCh	51, 73.355, 132.576
Yxy	19.2916, 0.3168, 0.5867
Android (android.graphics.Color)	4281109504 (0xFF2C8C00)
YUV	95.3360, -47.0006, -45.0217
Hunter-Lab	43.9222, -34.5296, 26.4623

Details

The Yxy color **19.2916, 0.3168, 0.5867** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.3799, 0.2445, 0.1120**, and the grayscale version is **11.6472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4387, 0.3257, 0.5245**, and **6.9794, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.2925, 0.3168, 0.5867**, and if you desaturate by 10%, it is **19.5620, 0.3210, 0.5731**.

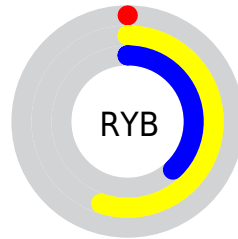
Distribution



Red (17%)

Green (55%)

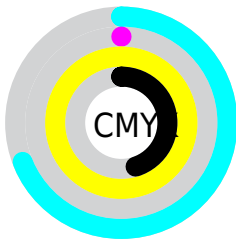
Blue (0%)



Red (0%)

Yellow (55%)

Blue (38%)

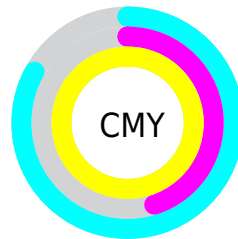


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (83%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2916, 0.3168, 0.5867 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 19.2916, 0.3168, 0.5867 by changing the saturation by 10% instead.


 19.2916, 0.3168,
0.5867


 19.2916, 0.3168,
0.5867


248.0539, 0.3267,
0.4320


 11.8812, 0.3053,
0.6318


 42.2263, 0.3257,
0.5246

 6.6628, 0.2904,
0.7096


 58.5193, 0.3272,
0.5028

 3.2521, 0.2372,
0.7628

 78.5419, 0.3278,
0.4853

 1.2647, 0.0000,
1.0000

 102.6787, 0.3279,
0.4708

 0.1137, 0.0000,
1.0000


 131.3138, 0.3278,
0.4587


 0.0000, 0.0000,
0.0000


 164.8318, 0.3275,


0.4484


 203.6170, 0.3272,
0.4396


 19.2916, 0.3168,
0.5867


 19.2916, 0.3168,
0.5867

 19.2925, 0.3168,
0.5867

 19.5620, 0.3210,
0.5731

 19.9043, 0.3247,
0.5547

 20.3330, 0.3270,
0.5306

 20.8545, 0.3278,
0.5024

 21.4747, 0.3272,
0.4717

■ 22.1987, 0.3255,
0.4403

■ 23.0315, 0.3230,
0.4095

■ 23.9775, 0.3198,
0.3804

■ 25.0410, 0.3164,
0.3535

Harmonies

Analogous

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



19.2916, 0.4305, 0.5372



19.2916, 0.3168, 0.5867



19.2916, 0.2076, 0.5020

Triad

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



19.2916, 0.3168, 0.5867



19.2916, 0.1198, 0.1598



19.2916, 0.5211, 0.2822

Complementary

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



19.2916, 0.3168, 0.5867



4.3799, 0.2445, 0.1120

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.



19.2916, 0.3912, 0.2147



19.2916, 0.3168, 0.5867



19.2916, 0.1657, 0.1483

Square

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



19.2916, 0.3168, 0.5867



19.2916, 0.1089, 0.2132



19.2916, 0.2562, 0.1675



19.2916, 0.5694, 0.3582

Rectangle

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



19.2916, 0.3168, 0.5867



19.2916, 0.1532, 0.3876



19.2916, 0.2562, 0.1675



19.2916, 0.4838, 0.2583

Sweetspot

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



19.2925, 0.3168, 0.5867



40.5056, 0.3232, 0.4114



13.8810, 0.4869, 0.4516



9.2033, 0.3242, 0.4228



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.



19.2925, 0.3168, 0.5867



33.9354, 0.3155, 0.5877



18.8299, 0.2944, 0.5797



5.6796, 0.3160, 0.3513



17.1513, 0.3171, 0.5864



0.1211, 0.3494, 0.5608

Inverse Universe

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



4.3799, 0.2445, 0.1120



7.6335, 0.2429, 0.1112



6.7982, 0.3722, 0.1824



5.0515, 0.3091, 0.3071



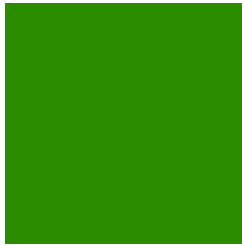
3.9023, 0.2449, 0.1122



0.0337, 0.2816, 0.1325

Previews

White Background



This preview shows how the Yxy color 19.2916, 0.3168, 0.5867 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 19.2916, 0.3168, 0.5867 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 19.2916, 0.3168, 0.5867

Background



This preview shows how black text looks on a background with the Yxy color 19.2916, 0.3168, 0.5867.



This preview shows how white text looks on a background with the Yxy color 19.2916, 0.3168, 0.5867.

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

19.2916, 0.3168, 0.5867

Protanopia

18.9090, 0.4396, 0.4892

Deuteranopia

19.0306, 0.4574, 0.4507



Tritanopia

19.2279, 0.2454, 0.3066

Trichromacy



Original Color

19.2916, 0.3168, 0.5867

Protanomaly

18.3219, 0.3862, 0.5315

Deuteranomaly

17.9730, 0.3988, 0.5070

Tritanomaly

18.7805, 0.2812, 0.4295

Monochromacy



Original Color

19.2916, 0.3168, 0.5867

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

13.2316, 0.3264, 0.4556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2916, 0.3168, 0.5867 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(44, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 140, 0)  
}
```

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(44, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 140, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.2916, 0.3168, 0.5867 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(44, 140, 0) }
```

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

```
.border{ border-color:rgb(44, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 140, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.2916, 0.3168, 0.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 140, 0) }
```

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

```
.background{ background-color: rgb(44, 140,  
0) }
```

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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