

Converting Colors

$Y_{xy}(18.1600, 0.2891, 0.5729)$

Have a look what the booklet for
Yxy(18.1600, 0.2891, 0.5729)
contains.

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Color

$\text{Yxy}(18.2812, 0.2919, 0.5707)$

Conversions

Conversions Part 1

Format	Color
Hex	008A20
RGB	0, 138, 32
RGB Percent	0%, 54%, 13%
CMY	0.9994, 0.4588, 0.8745
CMYK	1.00, 0.00, 0.77, 0.46
HSL	134°, 100%, 27%
HSV	134°, 100%, 54%
XYZ	9.3504, 18.2812, 4.4013
YIQ	84.6540, -48.2220, -62.2220

Conversions

Conversions Part 2

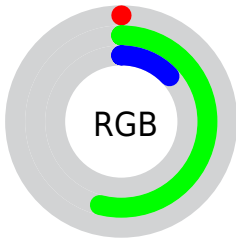
Format	Color
RYB	0, 112, 138
Decimal	35360
CIELab	49.84, -52.96, 44.87
CIELCh	50, 69.410, 139.725
Yxy	18.2812, 0.2919, 0.5707
Android (android.graphics.Color)	4278225440 (0xFF008A20)
YUV	84.6540, -25.9584, -74.2416
Hunter-Lab	42.7565, -35.7878, 23.8263

Details

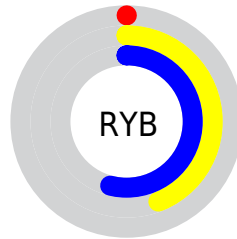
The Yxy color **18.2812, 0.2919, 0.5707** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.4504, 0.3876, 0.1910**, and the grayscale version is **9.0806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6648, 0.3043, 0.5087**, and **6.6556, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **18.2803, 0.2919, 0.5709**, and if you desaturate by 10%, it is **18.4412, 0.2900, 0.5516**.

Distribution



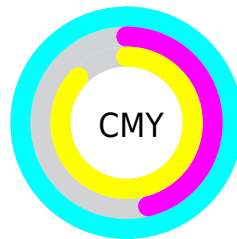
- Red (0%)
- Green (54%)
- Blue (13%)



- Red (0%)
- Yellow (44%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (46%)




- Cyan (100%)
- Magenta (46%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2812, 0.2919, 0.5707 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 18.2812, 0.2919, 0.5707 by changing the saturation by 10% instead.


 18.2812, 0.2919,
0.5707


 18.2812, 0.2919,
0.5707

242.4513, 0.3132,
0.4215


 11.1521, 0.2790,
0.6185


 40.5159, 0.3041,
0.5086


 6.1692, 0.2576,
0.6910

 56.3903, 0.3071,
0.4876

 2.9482, 0.2123,
0.7877

 75.9485, 0.3091,
0.4710

 1.1048, 0.0000,
1.0000

 99.5749, 0.3105,
0.4574

 0.0000, 0.0000,
0.0000

 127.6541, 0.3115,
0.4461

 160.5702, 0.3123,

0.4366

198.7078, 0.3128,
0.4285

■ 18.2812, 0.2919,
0.5707

■ 18.2812, 0.2919,
0.5707

■ 18.2803, 0.2919,
0.5709

■ 18.4412, 0.2900,
0.5516

■ 18.6792, 0.2888,
0.5284

■ 19.0278, 0.2888,
0.5021

■ 19.4993, 0.2902,
0.4741

■ 20.1042, 0.2926,
0.4459

■ 20.8519, 0.2959,
0.4184

■ 21.7509, 0.2998,
0.3927

■ 22.8090, 0.3040,
0.3690

■ 24.0335, 0.3084,
0.3477

Harmonies

Analogous

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



18.2812, 0.4039, 0.5503



18.2812, 0.2919, 0.5707



18.2812, 0.1903, 0.4574

Triad

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



18.2812, 0.2919, 0.5707



18.2812, 0.1319, 0.1586



18.2812, 0.5340, 0.3018

Complementary

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



18.2812, 0.2919, 0.5707



6.4504, 0.3876, 0.1910

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.



18.2812, 0.4221, 0.2325



18.2812, 0.2919, 0.5707



18.2812, 0.1865, 0.1547

Square

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



18.2812, 0.2919, 0.5707



18.2812, 0.1134, 0.1999



18.2812, 0.2864, 0.1803



18.2812, 0.5589, 0.3785

Rectangle

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



18.2812, 0.2919, 0.5707



18.2812, 0.1444, 0.3475



18.2812, 0.2864, 0.1803



18.2812, 0.5044, 0.2776

Sweetspot

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



18.2820, 0.2919, 0.5707



38.2116, 0.2995, 0.3945



21.3735, 0.3824, 0.5345



8.4362, 0.2981, 0.4037



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.



18.2820, 0.2919, 0.5707



32.2018, 0.2928, 0.5741



19.0775, 0.2504, 0.4212



5.6259, 0.3087, 0.3463



16.7627, 0.2918, 0.5703



0.1133, 0.2716, 0.4979

Inverse Universe

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



6.4504, 0.3876, 0.1910



11.3382, 0.3894, 0.1919



5.5544, 0.5759, 0.2947



5.1095, 0.3170, 0.3123



5.9128, 0.3874, 0.1908



0.0415, 0.3512, 0.1708

Previews

White Background



This preview shows how the Yxy color 18.2812, 0.2919, 0.5707 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 18.2812, 0.2919, 0.5707 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 18.2812, 0.2919, 0.5707

Background



This preview shows how black text looks on a background with the Yxy color 18.2812, 0.2919, 0.5707.



This preview shows how white text looks on a background with the Yxy color 18.2812, 0.2919, 0.5707.

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

18.2812, 0.2919, 0.5707

Protanopia

18.0225, 0.4300, 0.4740

Deuteranopia

17.9658, 0.4452, 0.4380



Tritanopia

18.4345, 0.2372, 0.3079

Trichromacy



Original Color

18.2812, 0.2919, 0.5707



Protanomaly

16.6872, 0.3557, 0.5251



Deuteranomaly

16.2009, 0.3643, 0.4993



Tritanomaly

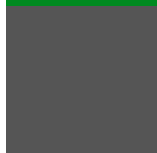
17.7977, 0.2565, 0.4047

Monochromacy



Original Color

18.2812, 0.2919, 0.5707



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

11.0782, 0.2931, 0.4356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2812, 0.2919, 0.5707 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 32) }
```

Border

The CSS property to change the border of an element to Yxy 18.2812, 0.2919, 0.5707 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, 32) }
```

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

```
.border{ border-color:rgb(0, 138, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 32);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 32)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2812, 0.2919, 0.5707 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, 32) }
```

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

```
.background{ background-color: rgb(0, 138,  
32) }
```

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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