

Converting Colors

$Yxy(16.8796, 0.1980, 0.5803)$

Have a look what the booklet for
Yxy(16.8796, 0.1980, 0.5803)
contains.

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Color

Yxy(19.0225, 0.2814, 0.5329)

Conversions

Conversions Part 1

Format	Color
Hex	008C36
RGB	0, 140, 54
RGB Percent	0%, 55%, 21%
CMY	0.9993, 0.4510, 0.7883
CMYK	1.00, 0.00, 0.61, 0.45
HSL	143°, 100%, 27%
HSV	143°, 100%, 55%
XYZ	10.0449, 19.0225, 6.6288
YIQ	88.3360, -55.8340, -56.4260

Conversions

Conversions Part 2

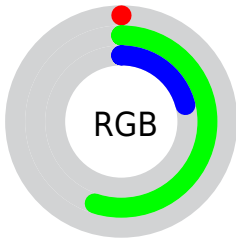
Format	Color
RYB	0, 101, 140
Decimal	35894
CIELab	50.71, -51.16, 36.35
CIELCh	51, 62.758, 144.611
Yxy	19.0225, 0.2814, 0.5329
Android (android.graphics.Color)	4278225974 (0xFF008C36)
YUV	88.3360, -16.9276, -77.4707
Hunter-Lab	43.6148, -35.2156, 21.5192

Details

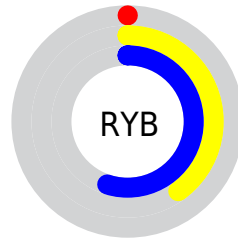
The Yxy color **19.0225, 0.2814, 0.5329** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **6.2540, 0.4442, 0.2222**, and the grayscale version is **9.8940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8687, 0.2931, 0.4797**, and **6.9838, 0.2991, 0.5966** is the 20% darker color. If you saturate the color by 10%, you get **19.0213, 0.2814, 0.5331**, and if you desaturate by 10%, it is **19.2051, 0.2790, 0.5128**.

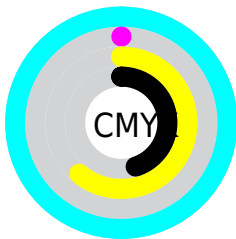
Distribution



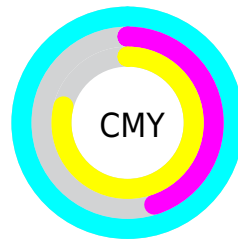
- Red (0%)
- Green (55%)
- Blue (21%)



- Red (0%)
- Yellow (40%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (45%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0225, 0.2814, 0.5329 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 19.0225, 0.2814, 0.5329 by changing the saturation by 10% instead.


 19.0225, 0.2814,
0.5329


 19.0225, 0.2814,
0.5329


246.5729, 0.3055,
0.4071


 11.6865, 0.2701,
0.5747


 41.7721, 0.2934,
0.4800

 6.5306, 0.2505,
0.6352


 57.9546, 0.2967,
0.4624

 3.1703, 0.2275,
0.7725

 77.8546, 0.2992,
0.4484

 1.2213, 0.0000,
1.0000

 101.8567, 0.3011,
0.4371

 0.0790, 0.0000,
1.0000

 130.3452, 0.3026,
0.4276

 0.0000, 0.0000,
0.0000

 163.7044, 0.3038,

0.4197

202.3189, 0.3047,
0.4129

■ 19.0225, 0.2814,
0.5329

■ 19.0225, 0.2814,
0.5329

■ 19.0213, 0.2814,
0.5331

■ 19.2051, 0.2790,
0.5128

■ 19.4628, 0.2776,
0.4910

■ 19.8283, 0.2781,
0.4680

■ 20.3133, 0.2801,
0.4447

■ 20.9281, 0.2837,
0.4218

■ 21.6819, 0.2883,
0.3999

■ 22.5829, 0.2939,
0.3795

■ 23.6387, 0.2999,
0.3608

■ 24.8563, 0.3063,
0.3439

Harmonies

Analogous

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



19.0225, 0.3853, 0.5395



19.0225, 0.2814, 0.5329



19.0225, 0.1911, 0.4192

Triad

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



19.0225, 0.2814, 0.5329



19.0225, 0.1515, 0.1696



19.0225, 0.5213, 0.3186

Complementary

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



19.0225, 0.2814, 0.5329



6.2540, 0.4442, 0.2222

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.



19.0225, 0.4308, 0.2513



19.0225, 0.2814, 0.5329



19.0225, 0.2099, 0.1701

Square

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



19.0225, 0.2814, 0.5329



19.0225, 0.1289, 0.2034



19.0225, 0.3085, 0.1986



19.0225, 0.5338, 0.3930

Rectangle

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



19.0225, 0.2814, 0.5329



19.0225, 0.1520, 0.3258



19.0225, 0.3085, 0.1986



19.0225, 0.4986, 0.2952

Sweetspot

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



19.0233, 0.2814, 0.5329



39.6864, 0.2934, 0.3810



20.7538, 0.3551, 0.5561



9.0029, 0.2913, 0.3884



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.



19.0233, 0.2814, 0.5329



33.5061, 0.2825, 0.5368



20.2045, 0.2347, 0.3648



5.6380, 0.3068, 0.3428



16.9050, 0.2812, 0.5322



0.1150, 0.2580, 0.4489

Inverse Universe

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



6.2540, 0.4442, 0.2222



10.9859, 0.4476, 0.2239



5.6179, 0.6219, 0.3201



5.0969, 0.3191, 0.3156



5.5568, 0.4436, 0.2218



0.0398, 0.3781, 0.1856

Previews

White Background



This preview shows how the Yxy color 19.0225, 0.2814, 0.5329 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 19.0225, 0.2814, 0.5329 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 19.0225, 0.2814, 0.5329

Background



This preview shows how black text looks on a background with the Yxy color 19.0225, 0.2814, 0.5329.



This preview shows how white text looks on a background with the Yxy color 19.0225, 0.2814, 0.5329.

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

19.0225, 0.2814, 0.5329

Protanopia

18.7147, 0.4136, 0.4531

Deuteranopia

18.8943, 0.4251, 0.4187



Tritanopia

19.0263, 0.2354, 0.3061

Trichromacy



Original Color

19.0225, 0.2814, 0.5329



Protanomaly

17.3403, 0.3404, 0.4956



Deuteranomaly

17.1005, 0.3465, 0.4707



Tritanomaly

18.5511, 0.2498, 0.3840

Monochromacy



Original Color

19.0225, 0.2814, 0.5329



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.8779, 0.2848, 0.4129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0225, 0.2814, 0.5329 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, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 54)  
}
```

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, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 54) }
```

Border

The CSS property to change the border of an element to Yxy 19.0225, 0.2814, 0.5329 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, 54) }
```

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

```
.border{ border-color:rgb(0, 140, 54) }
```

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, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 54);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 54)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.0225, 0.2814, 0.5329 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, 54) }
```

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

```
.background{ background-color: rgb(0, 140,  
54) }
```

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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