

Converting Colors

$Y_{xy}(19.4102, 0.2978, 0.5828)$

Have a look what the booklet for
Yxy(19.4102, 0.2978, 0.5828)
contains.

Yxy(19.4751, 0.2979, 0.5827)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.4751, 0.2979, 0.5827)

Conversions

Conversions Part 1

Format	Color
Hex	0B8E16
RGB	11, 142, 22
RGB Percent	4%, 56%, 9%
CMY	0.9564, 0.4431, 0.9139
CMYK	0.92, 0.00, 0.85, 0.44
HSL	125°, 85%, 30%
HSV	125°, 92%, 56%
XYZ	9.9565, 19.4751, 3.9906
YIQ	89.1510, -39.5560, -65.0920

Conversions

Conversions Part 2

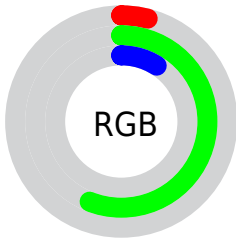
Format	Color
R_{YB}	11, 132, 142
Decimal	757270
CIE Lab	51.24, -54.12, 49.49
CIE LCh	51, 73.341, 137.557
Yxy	19.4751, 0.2979, 0.5827
Android (android.graphics.Color)	4278947350 (0xFF0B8E16)
YUV	89.1510, -33.1054, -68.5384
Hunter-Lab	44.1306, -36.9565, 25.5300

Details

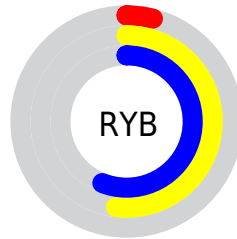
The Yxy color **19.4751, 0.2979, 0.5827** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.6356, 0.3403, 0.1689**, and the grayscale version is **10.1130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.5573, 0.3093, 0.5189**, and **7.3123, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.3723, 0.2980, 0.5928**, and if you desaturate by 10%, it is **19.6781, 0.2975, 0.5638**.

Distribution



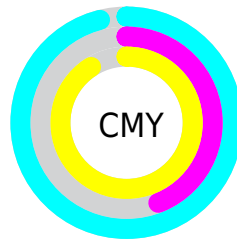
- Red (4%)
- Green (56%)
- Blue (9%)



- Red (4%)
- Yellow (52%)
- Blue (56%)



- Cyan (92%)
- Magenta (0%)
- Yellow (85%)
- Black (44%)





- Cyan (96%)
- Magenta (44%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4751, 0.2979, 0.5827 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 19.4751, 0.2979, 0.5827 by changing the saturation by 10% instead.


 19.4751, 0.2979,
0.5827


 19.4751, 0.2979,
0.5827


249.0592, 0.3171,
0.4282


 12.0141, 0.2849,
0.6301


 42.5354, 0.3097,
0.5194

 6.7533, 0.2647,
0.7036


 58.9034, 0.3125,
0.4978


 3.3083, 0.2168,
0.7832

 79.0093, 0.3142,
0.4804

 1.2947, 0.0000,
1.0000

 103.2373, 0.3154,
0.4661


 0.1371, 0.0000,
1.0000

 131.9719, 0.3161,
0.4542


 0.0000, 0.0000,
0.0000


 165.5975, 0.3166,


0.4442


 204.4984, 0.3169,
0.4356


 19.4751, 0.2979,
0.5827

 19.4751, 0.2979,
0.5827


 19.3723, 0.2980,
0.5928

 19.6781, 0.2975,
0.5638

 20.0010, 0.2979,
0.5386

 20.4596, 0.2989,
0.5088

 21.0669, 0.3006,
0.4765

 21.8342, 0.3027,
0.4440

■ 22.7717, 0.3050,
0.4126

■ 23.8888, 0.3074,
0.3834

■ 25.1942, 0.3099,
0.3571

■ 26.6962, 0.3122,
0.3337

Harmonies

Analogous

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



19.4751, 0.4122, 0.5503



19.4751, 0.2979, 0.5827



19.4751, 0.1925, 0.4746

Triad

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



19.4751, 0.2979, 0.5827



19.4751, 0.1253, 0.1559



19.4751, 0.5355, 0.2946

Complementary

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



19.4751, 0.2979, 0.5827



7.6356, 0.3403, 0.1689

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.



19.4751, 0.4151, 0.2252



19.4751, 0.2979, 0.5827



19.4751, 0.1776, 0.1499

Square

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



19.4751, 0.2979, 0.5827



19.4751, 0.1089, 0.2009



19.4751, 0.2762, 0.1738



19.4751, 0.5670, 0.3717

Rectangle

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



19.4751, 0.2979, 0.5827



19.4751, 0.1436, 0.3593



19.4751, 0.2762, 0.1738



19.4751, 0.5029, 0.2703

Sweetspot

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



19.4759, 0.2979, 0.5827



40.8265, 0.3059, 0.4018



24.3796, 0.4067, 0.5097



8.9596, 0.3049, 0.4133



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.



19.4759, 0.2979, 0.5827



34.1501, 0.2985, 0.5945



20.0785, 0.2637, 0.4619



6.0362, 0.3106, 0.3498



17.3945, 0.2979, 0.5925



0.1675, 0.2884, 0.5583

Inverse Universe

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



7.6356, 0.3403, 0.1689



12.9827, 0.3429, 0.1663



6.4079, 0.4975, 0.2589



5.5034, 0.3149, 0.3091



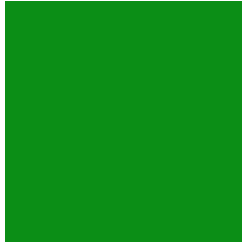
6.6174, 0.3423, 0.1659



0.0647, 0.3307, 0.1595

Previews

White Background



This preview shows how the Yxy color 19.4751, 0.2979, 0.5827 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 19.4751, 0.2979, 0.5827 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 19.4751, 0.2979, 0.5827

Background



This preview shows how black text looks on a background with the Yxy color 19.4751, 0.2979, 0.5827.



This preview shows how white text looks on a background with the Yxy color 19.4751, 0.2979, 0.5827.

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

19.4751, 0.2979, 0.5827

Protanopia

19.2748, 0.4349, 0.4826

Deuteranopia

19.0704, 0.4526, 0.4446



Tritanopia

19.4464, 0.2375, 0.3064

Trichromacy



Original Color

19.4751, 0.2979, 0.5827



Protanomaly

17.9683, 0.3649, 0.5342



Deuteranomaly

17.5382, 0.3749, 0.5074



Tritanomaly

19.0014, 0.2620, 0.4144

Monochromacy



Original Color

19.4751, 0.2979, 0.5827



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

12.0989, 0.3025, 0.4441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4751, 0.2979, 0.5827 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(11, 142, 22)` looks like.

```
.text, #text, p{  
    color:rgb(11, 142, 22)  
}
```

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(11, 142, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 142, 22) }
```

Border

The CSS property to change the border of an element to Yxy 19.4751, 0.2979, 0.5827 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(11, 142, 22) }
```

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

```
.border{ border-color:rgb(11, 142, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 142, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 142, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 142, 22);  
box-shadow:4px 4px 4px 4px rgb(11, 142,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4751, 0.2979, 0.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 142, 22) }
```

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

```
.background{ background-color: rgb(11, 142,  
22) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor