

Converting Colors

Yxy(51.4155, 0.3019, 0.5960)

Have a look what the booklet for
Yxy(51.4155, 0.3019, 0.5960)
contains.

Yxy(51.4128, 0.3019, 0.5960)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.4128, 0.3019, 0.5960)

Conversions

Conversions Part 1

Format	Color
Hex	19DC09
RGB	25, 220, 9
RGB Percent	10%, 86%, 4%
CMY	0.9020, 0.1372, 0.9649
CMYK	0.89, 0.00, 0.96, 0.14
HSL	115°, 92%, 45%
HSV	115°, 96%, 86%
XYZ	26.0428, 51.4128, 8.8075
YIQ	137.6410, -48.4890, -106.9610

Conversions

Conversions Part 2

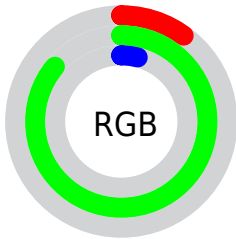
Format	Color
RYB	9, 220, 204
Decimal	1694729
CIELab	76.93, -75.80, 73.73
CIElCh	77, 105.741, 135.795
Yxy	51.4128, 0.3019, 0.5960
Android (android.graphics.Color)	4279884809 (0xFF19DC09)
YUV	137.6410, -63.4200, -98.7862
Hunter-Lab	71.7027, -60.6476, 42.9091

Details

The Yxy color **51.4128, 0.3019, 0.5960** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **18.1960, 0.3025, 0.1452**, and the grayscale version is **25.5291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8530, 0.3144, 0.5353**, and **26.1944, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.3053, 0.3014, 0.5989**, and if you desaturate by 10%, it is **51.8526, 0.3038, 0.5848**.

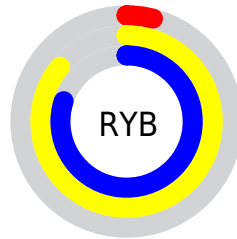
Distribution



Red (10%)

Green (86%)

Blue (4%)



Red (4%)

Yellow (86%)

Blue (80%)

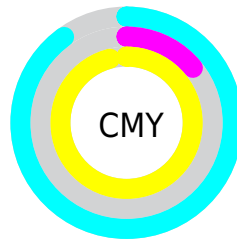


Cyan (89%)

Magenta (0%)

Yellow (96%)

Black (14%)



Cyan (90%)


Magenta (14%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4128, 0.3019, 0.5960 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 51.4128, 0.3019, 0.5960 by changing the saturation by 10% instead.


 51.4128, 0.3019,
0.5960


 51.4128, 0.3019,
0.5960


392.1655, 0.3202,
0.4563


 36.5372, 0.2927,
0.6294


 92.2647, 0.3120,
0.5455


 24.8494, 0.2783,
0.6700


 119.0098, 0.3148,
0.5263


 15.9649, 0.2564,
0.7210


 150.4802, 0.3167,
0.5100

 9.4993, 0.2206,
0.7794

 187.0603, 0.3180,
0.4961

 5.0683, 0.1636,
0.8364

 229.1344, 0.3189,
0.4841

 2.2874, 0.0000,
1.0000

 277.0871, 0.3195,

 0.7670, 0.0000,


0.4736


1.0000


331.3027, 0.3200,
0.4644


 0.0000, 0.0000,
0.0000

 51.4128, 0.3019,
0.5960


 51.4128, 0.3019,
0.5960


 51.3053, 0.3014,
0.5989

 51.8526, 0.3038,
0.5848

 52.5914, 0.3058,
0.5651

 53.6734, 0.3077,
0.5380

 55.1339, 0.3094,
0.5057

 57.0037, 0.3107,
0.4708

■ 59.3103, 0.3116,
0.4357

■ 62.0791, 0.3123,
0.4022

■ 65.3333, 0.3126,
0.3714

■ 69.0948, 0.3127,
0.3438

Harmonies

Analogous

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



51.4128, 0.4192, 0.5516



51.4128, 0.3019, 0.5960



51.4128, 0.1927, 0.4920

Triad

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



51.4128, 0.3019, 0.5960



51.4128, 0.1182, 0.1520



51.4128, 0.5393, 0.2877

Complementary

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



51.4128, 0.3019, 0.5960



18.1960, 0.3025, 0.1452

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.



51.4128, 0.4101, 0.2178



51.4128, 0.3019, 0.5960



51.4128, 0.1689, 0.1443

Square

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



51.4128, 0.3019, 0.5960



51.4128, 0.1033, 0.2001



51.4128, 0.2670, 0.1670



51.4128, 0.5765, 0.3653

Rectangle

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



51.4128, 0.3019, 0.5960



51.4128, 0.1410, 0.3700



51.4128, 0.2670, 0.1670



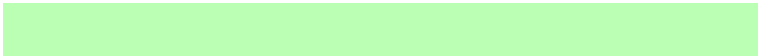
51.4128, 0.5037, 0.2633

Sweetspot

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



51.4149, 0.3019, 0.5960



85.3810, 0.3121, 0.4130



57.6732, 0.4334, 0.4922



17.9218, 0.3118, 0.4275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.4149, 0.3019, 0.5960



71.6622, 0.3012, 0.5990



52.1077, 0.2790, 0.5219



14.6532, 0.3127, 0.3531



30.1276, 0.3018, 0.5986



1.9687, 0.3070, 0.5944

Inverse Universe

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



18.1960, 0.3025, 0.1452



24.9902, 0.3015, 0.1435



17.0786, 0.4551, 0.2301



13.2219, 0.3126, 0.3059



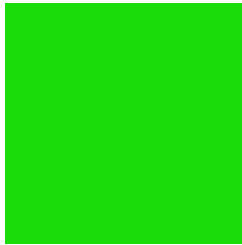
10.5300, 0.3020, 0.1437



0.6975, 0.3053, 0.1455

Previews

White Background



This preview shows how the Yxy color 51.4128, 0.3019, 0.5960 looks on a white background.

Color Contrast Check

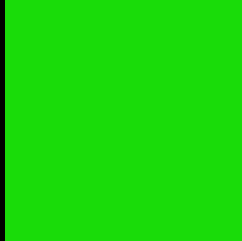
Large Text (above 18pt) WCAG AA × Fail

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 51.4128, 0.3019, 0.5960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

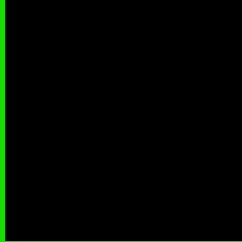
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.4128, 0.3019, 0.5960

Background



This preview shows how black text looks on a background with the Yxy color 51.4128, 0.3019, 0.5960.



This preview shows how white text looks on a background with the Yxy color 51.4128, 0.3019, 0.5960.

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

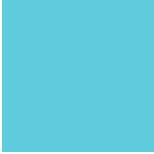
51.4128, 0.3019, 0.5960

Protanopia

50.3922, 0.4399, 0.4889

Deuteranopia

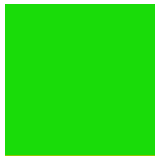
49.8871, 0.4613, 0.4508



Tritanopia

51.3160, 0.2369, 0.3070

Trichromacy



Original Color

51.4128, 0.3019, 0.5960



Protanomaly

47.2444, 0.3701, 0.5435



Deuteranomaly

45.6263, 0.3832, 0.5195



Tritanomaly

49.4089, 0.2677, 0.4322

Monochromacy



Original Color

51.4128, 0.3019, 0.5960



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

31.3020, 0.3109, 0.4674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4128, 0.3019, 0.5960 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(25, 220, 9)` looks like.

```
.text, #text, p{  
    color:rgb(25, 220, 9)  
}
```

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(25, 220, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 220, 9) }
```

Border

The CSS property to change the border of an element to Yxy 51.4128, 0.3019, 0.5960 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(25, 220, 9) }
```

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

```
.border{ border-color:rgb(25, 220, 9) }
```

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

Here you see how a box with a 4 pixel rgb(25, 220, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 220, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 220, 9);  
box-shadow:4px 4px 4px 4px rgb(25, 220, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 51.4128, 0.3019, 0.5960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 220, 9) }
```

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

```
.background{ background-color: rgb(25, 220,  
9) }
```

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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