

Converting Colors

$Y_{xy}(15.3968, 0.3034, 0.5972)$

Have a look what the booklet for
Yxy(15.3968, 0.3034, 0.5972)
contains.

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Color

Yxy(15.5239, 0.3034, 0.5973)

Conversions

Conversions Part 1

Format	Color
Hex	0D8000
RGB	13, 128, 0
RGB Percent	5%, 50%, 0%
CMY	0.9489, 0.4980, 1.0000
CMYK	0.90, 0.00, 1.00, 0.50
HSL	114°, 100%, 25%
HSV	114°, 100%, 50%
XYZ	7.8854, 15.5239, 2.5808
YIQ	79.0230, -27.4520, -64.1880

Conversions

Conversions Part 2

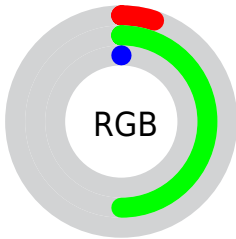
Format	Color
R_{YB}	0, 128, 115
Decimal	884736
CIE _{Lab}	46.34, -50.65, 50.04
CIE _{LCh}	46, 71.199, 135.349
Yxy	15.5239, 0.3034, 0.5973
Android (android.graphics.Color)	4279074816 (0xFF0D8000)
YUV	79.0230, -38.9583, -57.9022
Hunter-Lab	39.4004, -33.2265, 23.6966

Details

The Yxy color **15.5239, 0.3034, 0.5973** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.2027, 0.2962, 0.1406**, and the grayscale version is **7.9055, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7574, 0.3157, 0.5275**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.5245, 0.3034, 0.5973**, and if you desaturate by 10%, it is **15.6680, 0.3050, 0.5843**.

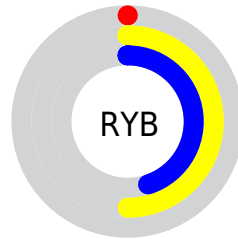
Distribution



Red (5%)

Green (50%)

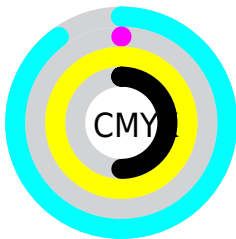
Blue (0%)



Red (0%)

Yellow (50%)

Blue (45%)

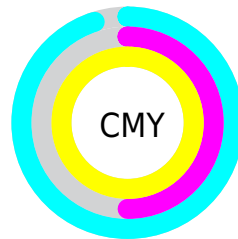


Cyan (90%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (95%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5239, 0.3034, 0.5973 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 15.5239, 0.3034, 0.5973 by changing the saturation by 10% instead.


 15.5239, 0.3034,
0.5973


 15.5239, 0.3034,
0.5973


226.5157, 0.3214,
0.4302

 9.1879, 0.2880,
0.6496


 35.7697, 0.3161,
0.5278


 4.8639, 0.2639,
0.7361

 50.4482, 0.3186,
0.5043


 2.1677, 0.1823,
0.8177

 68.6764, 0.3201,
0.4855

 0.7023, 0.0000,
1.0000

 90.8386, 0.3209,
0.4702


 0.0000, 0.0000,
0.0000


 117.3193, 0.3213,
0.4576


 148.5027, 0.3214,


0.4470

 184.7734, 0.3214,
0.4380


 15.5239, 0.3034,
0.5973


 15.5239, 0.3034,
0.5973

 15.5245, 0.3034,
0.5973

 15.6680, 0.3050,
0.5843

 15.8871, 0.3073,
0.5657

 16.1981, 0.3093,
0.5404

 16.6100, 0.3110,
0.5101

 17.1304, 0.3122,
0.4771

■ 17.7664, 0.3129,
0.4436

■ 18.5244, 0.3133,
0.4111

■ 19.4103, 0.3133,
0.3809

■ 20.4296, 0.3131,
0.3535

Harmonies

Analogous

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



15.5239, 0.4211, 0.5510



15.5239, 0.3034, 0.5973



15.5239, 0.1936, 0.4953

Triad

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



15.5239, 0.3034, 0.5973



15.5239, 0.1173, 0.1519



15.5239, 0.5387, 0.2864

Complementary

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



15.5239, 0.3034, 0.5973



5.2027, 0.2962, 0.1406

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.



15.5239, 0.4082, 0.2166



15.5239, 0.3034, 0.5973



15.5239, 0.1674, 0.1437

Square

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



15.5239, 0.3034, 0.5973



15.5239, 0.1029, 0.2008



15.5239, 0.2649, 0.1660



15.5239, 0.5774, 0.3640

Rectangle

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



15.5239, 0.3034, 0.5973



15.5239, 0.1414, 0.3728



15.5239, 0.2649, 0.1660



15.5239, 0.5025, 0.2619

Sweetspot

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



15.5245, 0.3034, 0.5973



32.5140, 0.3133, 0.4133



16.4150, 0.4407, 0.4883



7.4969, 0.3132, 0.4247



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.5245, 0.3034, 0.5973



27.2995, 0.3027, 0.5979



15.6612, 0.2811, 0.5320



4.8381, 0.3131, 0.3511



15.3935, 0.3034, 0.5973



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.2027, 0.2962, 0.1406



9.1238, 0.2956, 0.1402



5.1531, 0.4425, 0.2212



4.3909, 0.3122, 0.3076



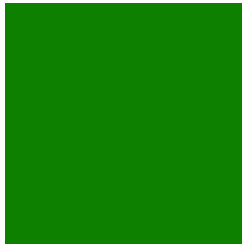
5.1588, 0.2962, 0.1406



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.5239, 0.3034, 0.5973 looks on a white background.

Color Contrast Check

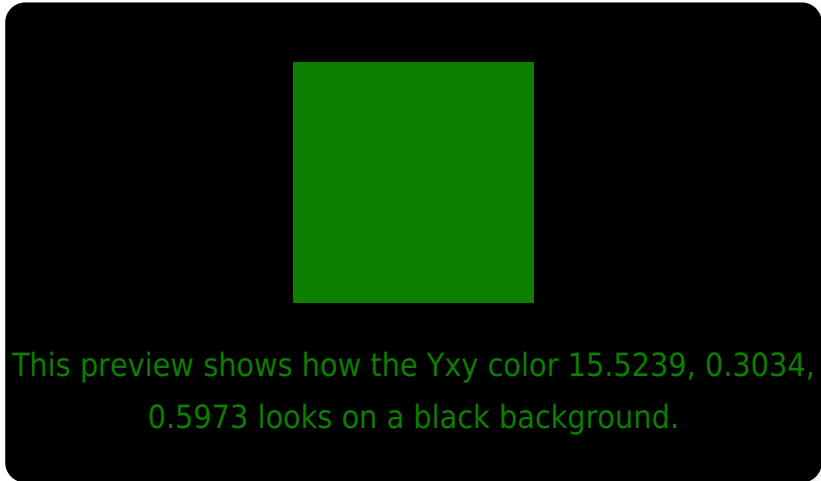
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

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

Yxy 15.5239, 0.3034, 0.5973

Background



This preview shows how black text looks on a background with the Yxy color 15.5239, 0.3034, 0.5973.



This preview shows how white text looks on a background with the Yxy color 15.5239, 0.3034, 0.5973.

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

15.5239, 0.3034, 0.5973

Protanopia

15.3628, 0.4384, 0.4901

Deuteranopia

15.3877, 0.4564, 0.4490



Tritanopia

15.5909, 0.2386, 0.3065

Trichromacy



Original Color

15.5239, 0.3034, 0.5973



Protanomaly

14.5616, 0.3708, 0.5438



Deuteranomaly

14.1811, 0.3834, 0.5163



Tritanomaly

14.9794, 0.2695, 0.4315

Monochromacy



Original Color

15.5239, 0.3034, 0.5973



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

9.5919, 0.3127, 0.4668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5239, 0.3034, 0.5973 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(13, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(13, 128, 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(13, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.5239, 0.3034, 0.5973 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(13, 128, 0) }
```

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

```
.border{ border-color:rgb(13, 128, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 128, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(13, 128, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.5239, 0.3034, 0.5973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 128, 0) }
```

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

```
.background{ background-color: rgb(13, 128,  
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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