

Converting Colors

$Y_{xy}(15.3174, 0.2992, 0.5970)$

Have a look what the booklet for
Yxy(15.3174, 0.2992, 0.5970)
contains.

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Color

Yxy(15.4471, 0.2992, 0.5970)

Conversions

Conversions Part 1

Format	Color
Hex	008004
RGB	0, 128, 4
RGB Percent	0%, 50%, 2%
CMY	0.9996, 0.4980, 0.9846
CMYK	1.00, 0.00, 0.97, 0.50
HSL	122°, 100%, 25%
HSV	122°, 100%, 50%
XYZ	7.7417, 15.4471, 2.6858
YIQ	75.5920, -36.4840, -65.7000

Conversions

Conversions Part 2

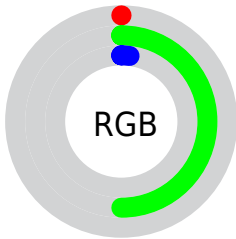
Format	Color
RYB	0, 124, 128
Decimal	32772
CIELab	46.24, -51.54, 49.09
CIELCh	46, 71.179, 136.394
Yxy	15.4471, 0.2992, 0.5970
Android (android.graphics.Color)	4278222852 (0xFF008004)
YUV	75.5920, -35.2949, -66.2942
Hunter-Lab	39.3028, -33.6199, 23.4603

Details

The Yxy color **15.4471, 0.2992, 0.5970** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.0516, 0.3283, 0.1582**, and the grayscale version is **7.2239, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5986, 0.3121, 0.5265**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.4468, 0.2992, 0.5971**, and if you desaturate by 10%, it is **15.5617, 0.2997, 0.5844**.

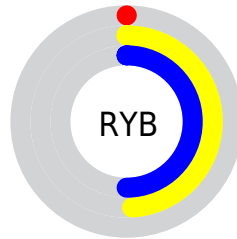
Distribution



Red (0%)

Green (50%)

Blue (2%)



Red (0%)

Yellow (49%)

Blue (50%)

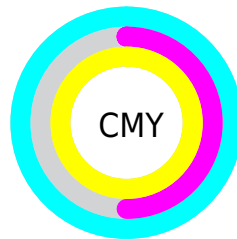


Cyan (100%)

Magenta (0%)

Yellow (97%)

Black (50%)



Cyan (100%)


Magenta (50%)

Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4471, 0.2992, 0.5970 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 15.4471, 0.2992, 0.5970 by changing the saturation by 10% instead.


 15.4471, 0.2992,
0.5970


 15.4471, 0.2992,
0.5970


226.0567, 0.3193,
0.4294


 9.1338, 0.2833,
0.6501


 35.6356, 0.3126,
0.5270


 4.8285, 0.2594,
0.7406

 50.2796, 0.3155,
0.5034

 2.1470, 0.1735,
0.8265

 68.4693, 0.3172,
0.4846

 0.6909, 0.0000,
1.0000


 90.5891, 0.3182,
0.4694

 0.0000, 0.0000,
0.0000

 117.0233, 0.3188,
0.4568


 148.1564, 0.3191,


0.4462

 184.3727, 0.3193,
0.4372


 15.4471, 0.2992,
0.5970


 15.4471, 0.2992,
0.5970


 15.4468, 0.2992,
0.5971

 15.5617, 0.2997,
0.5844

 15.7417, 0.3001,
0.5654

 16.0215, 0.3011,
0.5395

 16.4128, 0.3024,
0.5087

 16.9255, 0.3040,
0.4754

■ 17.5686, 0.3058,
0.4418

■ 18.3501, 0.3077,
0.4094

■ 19.2776, 0.3095,
0.3796

■ 20.3578, 0.3112,
0.3526

Harmonies

Analogous

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



15.4471, 0.4171, 0.5542



15.4471, 0.2992, 0.5970



15.4471, 0.1902, 0.4895

Triad

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



15.4471, 0.2992, 0.5970



15.4471, 0.1182, 0.1509



15.4471, 0.5422, 0.2889

Complementary

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



15.4471, 0.2992, 0.5970



6.0516, 0.3283, 0.1582

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.



15.4471, 0.4136, 0.2186



15.4471, 0.2992, 0.5970



15.4471, 0.1698, 0.1439

Square

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



15.4471, 0.2992, 0.5970



15.4471, 0.1026, 0.1980



15.4471, 0.2692, 0.1672



15.4471, 0.5772, 0.3668

Rectangle

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



15.4471, 0.2992, 0.5970



15.4471, 0.1391, 0.3666



15.4471, 0.2692, 0.1672



15.4471, 0.5070, 0.2643

Sweetspot

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



15.4477, 0.2992, 0.5970



32.1926, 0.3075, 0.4119



19.8644, 0.4165, 0.5074



7.4178, 0.3069, 0.4232



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.



15.4477, 0.2992, 0.5970



27.1925, 0.2994, 0.5979



15.8347, 0.2694, 0.4899



4.8207, 0.3113, 0.3506



15.3165, 0.2992, 0.5971



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.0516, 0.3283, 0.1582



10.6466, 0.3284, 0.1583



4.9385, 0.4961, 0.2508



4.4103, 0.3141, 0.3084



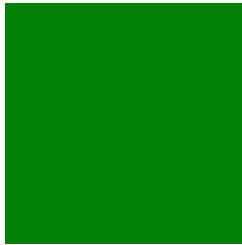
5.9982, 0.3283, 0.1582



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.4471, 0.2992, 0.5970 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 15.4471, 0.2992, 0.5970 looks on a 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 15.4471, 0.2992, 0.5970

Background



This preview shows how black text looks on a background with the Yxy color 15.4471, 0.2992, 0.5970.



This preview shows how white text looks on a background with the Yxy color 15.4471, 0.2992, 0.5970.

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

15.4471, 0.2992, 0.5970

Protanopia

15.3628, 0.4384, 0.4901

Deuteranopia

15.3028, 0.4550, 0.4499



Tritanopia

15.5629, 0.2379, 0.3065

Trichromacy



Original Color

15.4471, 0.2992, 0.5970



Protanomaly

14.3445, 0.3636, 0.5486



Deuteranomaly

13.8835, 0.3741, 0.5218



Tritanomaly

14.8992, 0.2642, 0.4270

Monochromacy



Original Color

15.4471, 0.2992, 0.5970



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

9.0431, 0.3037, 0.4666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4471, 0.2992, 0.5970 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, 128, 4)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 4)  
}
```

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, 128, 4) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 15.4471, 0.2992, 0.5970 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, 128, 4) }
```

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

```
.border{ border-color:rgb(0, 128, 4) }
```

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

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

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


Background

The CSS property to change the background color of an element to Yxy 15.4471, 0.2992, 0.5970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 4) }
```

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

```
.background{ background-color: rgb(0, 128,  
4) }
```

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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