

Converting Colors

$Y_{xy}(14.0377, 0.2979, 0.5923)$

Have a look what the booklet for
Yxy(14.0377, 0.2979, 0.5923)
contains.

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Color

Yxy(13.9388, 0.2979, 0.5925)

Conversions

Conversions Part 1

Format	Color
Hex	007A09
RGB	0, 122, 9
RGB Percent	0%, 48%, 4%
CMY	1.0000, 0.5216, 0.9648
CMYK	1.00, 0.00, 0.93, 0.52
HSL	124°, 100%, 24%
HSV	124°, 100%, 48%
XYZ	7.0082, 13.9388, 2.5784
YIQ	72.6400, -36.4390, -61.0070

Conversions

Conversions Part 2

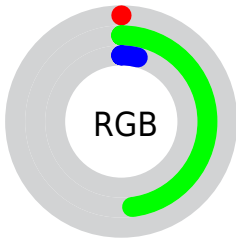
Format	Color
RYB	0, 114, 122
Decimal	31241
CIELab	44.15, -49.58, 46.27
CIELCh	44, 67.814, 136.981
Yxy	13.9388, 0.2979, 0.5925
Android (android.graphics.Color)	4278221321 (0xFF007A09)
YUV	72.6400, -31.3745, -63.7053
Hunter-Lab	37.3347, -31.8289, 22.0396

Details

The Yxy color **13.9388, 0.2979, 0.5925** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.3309, 0.3396, 0.1644**, and the grayscale version is **6.6569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1182, 0.3110, 0.5212**, and **4.5065, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.9397, 0.2979, 0.5925**, and if you desaturate by 10%, it is **14.0511, 0.2981, 0.5783**.

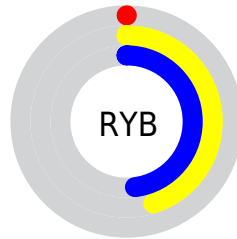
Distribution



Red (0%)

Green (48%)

Blue (4%)



Red (0%)

Yellow (45%)

Blue (48%)

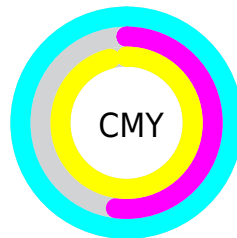


Cyan (100%)

Magenta (0%)

Yellow (93%)

Black (52%)



Cyan (100%)


Magenta (52%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9388, 0.2979, 0.5925 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 13.9388, 0.2979, 0.5925 by changing the saturation by 10% instead.


 13.9388, 0.2979,
0.5925


 13.9388, 0.2979,
0.5925


216.8498, 0.3182,
0.4253


 8.0781, 0.2817,
0.6476


 32.9804, 0.3114,
0.5215


 4.1450, 0.2566,
0.7434

 46.9301, 0.3142,
0.4979


 1.7550, 0.1368,
0.8632

 64.3449, 0.3159,
0.4793

 0.4589, 0.0000,
1.0000

 85.6093, 0.3170,
0.4643


 0.0000, 0.0000,
0.0000


 111.1075, 0.3176,
0.4519


 141.2241, 0.3180,


0.4416

 176.3434, 0.3181,
0.4328

 13.9388, 0.2979,
0.5925


 13.9388, 0.2979,
0.5925

 13.9397, 0.2979,
0.5925

 14.0511, 0.2981,
0.5783

 14.2212, 0.2981,
0.5576

 14.4795, 0.2987,
0.5311

 14.8361, 0.2999,
0.5007

 15.2995, 0.3017,
0.4684

■ 15.8773, 0.3037,
0.4362

■ 16.5764, 0.3060,
0.4055

■ 17.4031, 0.3083,
0.3772

■ 18.3636, 0.3106,
0.3516

Harmonies

Analogous

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



13.9388, 0.4148, 0.5539



13.9388, 0.2979, 0.5925



13.9388, 0.1901, 0.4835

Triad

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



13.9388, 0.2979, 0.5925



13.9388, 0.1206, 0.1522



13.9388, 0.5409, 0.2912

Complementary

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



13.9388, 0.2979, 0.5925



5.3309, 0.3396, 0.1644

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.



13.9388, 0.4153, 0.2211



13.9388, 0.2979, 0.5925



13.9388, 0.1728, 0.1457

Square

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



13.9388, 0.2979, 0.5925



13.9388, 0.1045, 0.1983



13.9388, 0.2723, 0.1695



13.9388, 0.5739, 0.3690

Rectangle

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



13.9388, 0.2979, 0.5925



13.9388, 0.1400, 0.3629



13.9388, 0.2723, 0.1695



13.9388, 0.5067, 0.2667

Sweetspot

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



13.9397, 0.2979, 0.5925



29.0645, 0.3058, 0.4077



17.4888, 0.4081, 0.5141



6.5466, 0.3051, 0.4178



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.9397, 0.2979, 0.5925



24.5135, 0.2984, 0.5944



14.3514, 0.2645, 0.4723



4.4543, 0.3108, 0.3494



14.6747, 0.2980, 0.5927



69.9493, 0.2990, 0.5965

Inverse Universe

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



5.3309, 0.3396, 0.1644



9.3695, 0.3400, 0.1647



4.3937, 0.5157, 0.2615



4.0727, 0.3147, 0.3094



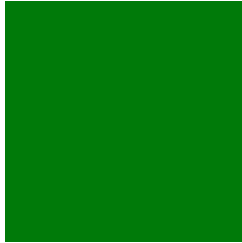
5.6117, 0.3396, 0.1644



26.7140, 0.3407, 0.1650

Previews

White Background



This preview shows how the Yxy color 13.9388, 0.2979, 0.5925 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 13.9388, 0.2979, 0.5925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

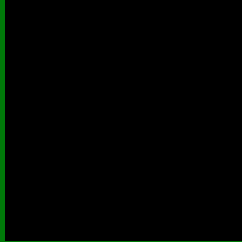
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9388, 0.2979, 0.5925

Background



This preview shows how black text looks on a background with the Yxy color 13.9388, 0.2979, 0.5925.



This preview shows how white text looks on a background with the Yxy color 13.9388, 0.2979, 0.5925.

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

13.9388, 0.2979, 0.5925

Protanopia

13.7522, 0.4409, 0.4881

Deuteranopia

13.8328, 0.4542, 0.4478



Tritanopia

13.9441, 0.2376, 0.3055

Trichromacy



Original Color

13.9388, 0.2979, 0.5925

Protanomaly

12.8713, 0.3647, 0.5456

Deuteranomaly

12.4085, 0.3733, 0.5170

Tritanomaly

13.4071, 0.2622, 0.4203

Monochromacy



Original Color

13.9388, 0.2979, 0.5925

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

8.2933, 0.3013, 0.4590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9388, 0.2979, 0.5925 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, 122, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 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(0, 122, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 9) }
```

Border

The CSS property to change the border of an element to Yxy 13.9388, 0.2979, 0.5925 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, 122, 9) }
```

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

```
.border{ border-color:rgb(0, 122, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 122, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 122, 9); box-shadow:4px  
4px 4px 4px rgb(0, 122, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9388, 0.2979, 0.5925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 9) }
```

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

```
.background{ background-color: rgb(0, 122,  
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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