

Converting Colors

$Y_{xy}(14.0817, 0.3028, 0.5978)$

Have a look what the booklet for
Yxy(14.0817, 0.3028, 0.5978)
contains.

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Color

Yxy(13.9836, 0.3028, 0.5977)

Conversions

Conversions Part 1	
Format	Color
Hex	0A7A00
RGB	10, 122, 0
RGB Percent	4%, 48%, 0%
CMY	0.9611, 0.5216, 0.9997
CMYK	0.92, 0.00, 1.00, 0.52
HSL	115°, 100%, 24%
HSV	115°, 100%, 48%
XYZ	7.0842, 13.9836, 2.3279
YIQ	74.6040, -27.5900, -61.6860

Conversions

Conversions Part 2

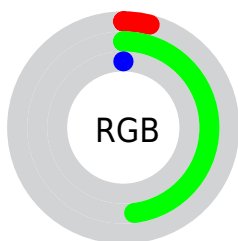
Format	Color
RYB	0, 122, 112
Decimal	686592
CIELab	44.21, -49.10, 48.30
CIELCh	44, 68.877, 135.472
Yxy	13.9836, 0.3028, 0.5977
Android (android.graphics.Color)	4278876672 (0xFF0A7A00)
YUV	74.6040, -36.7798, -56.6577
Hunter-Lab	37.3947, -31.6248, 22.4854

Details

The Yxy color **13.9836, 0.3028, 0.5977** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.8633, 0.3015, 0.1435**, and the grayscale version is **7.0293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2375, 0.3163, 0.5266**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.9835, 0.3028, 0.5978**, and if you desaturate by 10%, it is **14.1081, 0.3040, 0.5844**.

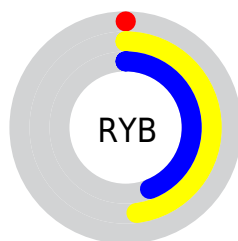
Distribution



Red (4%)

Green (48%)

Blue (0%)



Red (0%)

Yellow (48%)

Blue (44%)

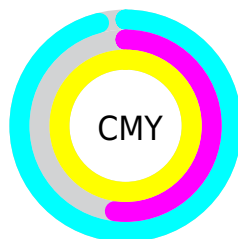


Cyan (92%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (96%)


Magenta (52%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9836, 0.3028, 0.5977 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 13.9836, 0.3028, 0.5977 by changing the saturation by 10% instead.


 13.9836, 0.3028,
0.5977


 13.9836, 0.3028,
0.5977


217.1288, 0.3211,
0.4280


 8.1093, 0.2868,
0.6530


 33.0599, 0.3159,
0.5262


 4.1649, 0.2592,
0.7408


 47.0307, 0.3184,
0.5023


 1.7663, 0.1437,
0.8563

 64.4691, 0.3199,
0.4833

 0.4660, 0.0000,
1.0000

 85.7594, 0.3206,
0.4680


 0.0000, 0.0000,
0.0000


 111.2862, 0.3210,
0.4553

 141.4338, 0.3212,


0.4447

 176.5865, 0.3212,
0.4357

 13.9836, 0.3028,
0.5977


 13.9836, 0.3028,
0.5977


 13.9835, 0.3028,
0.5978

 14.1081, 0.3040,
0.5844

 14.3006, 0.3060,
0.5657

 14.5775, 0.3079,
0.5402

 14.9468, 0.3095,
0.5098

 15.4160, 0.3108,
0.4767

■ 15.9915, 0.3117,
0.4431

■ 16.6794, 0.3123,
0.4107

■ 17.4851, 0.3127,
0.3806

■ 18.4140, 0.3128,
0.3532

Harmonies

Analogous

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



13.9836, 0.4209, 0.5520



13.9836, 0.3028, 0.5977



13.9836, 0.1930, 0.4949

Triad

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



13.9836, 0.3028, 0.5977



13.9836, 0.1172, 0.1516



13.9836, 0.5394, 0.2866

Complementary

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



13.9836, 0.3028, 0.5977



4.8633, 0.3015, 0.1435

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.



13.9836, 0.4089, 0.2167



13.9836, 0.3028, 0.5977



13.9836, 0.1676, 0.1436

Square

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



13.9836, 0.3028, 0.5977



13.9836, 0.1026, 0.2003



13.9836, 0.2654, 0.1660



13.9836, 0.5777, 0.3642

Rectangle

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



13.9836, 0.3028, 0.5977



13.9836, 0.1409, 0.3721



13.9836, 0.2654, 0.1660



13.9836, 0.5033, 0.2621

Sweetspot

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



13.9842, 0.3028, 0.5977



29.2389, 0.3123, 0.4132



15.6920, 0.4341, 0.4935



6.5884, 0.3121, 0.4240



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.



13.9842, 0.3028, 0.5977



24.5715, 0.3021, 0.5983



14.1586, 0.2781, 0.5212



4.4640, 0.3128, 0.3510



14.7196, 0.3027, 0.5978



70.0562, 0.3013, 0.5989

Inverse Universe

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



4.8633, 0.3015, 0.1435



8.5240, 0.3010, 0.1432



4.5972, 0.4547, 0.2279



4.0619, 0.3125, 0.3078



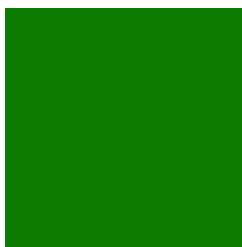
5.1159, 0.3014, 0.1434



24.2291, 0.3004, 0.1428

Previews

White Background



This preview shows how the Yxy color 13.9836, 0.3028, 0.5977 looks on a white background.

Color Contrast Check

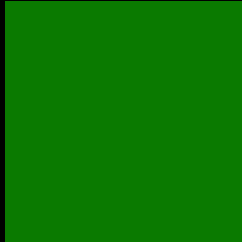
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9836, 0.3028, 0.5977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

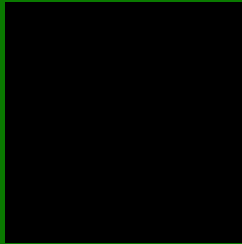
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9836, 0.3028, 0.5977

Background



This preview shows how black text looks on a background with the Yxy color 13.9836, 0.3028, 0.5977.



This preview shows how white text looks on a background with the Yxy color 13.9836, 0.3028, 0.5977.

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

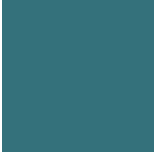
13.9836, 0.3028, 0.5977

Protanopia

13.9547, 0.4392, 0.4894

Deuteranopia

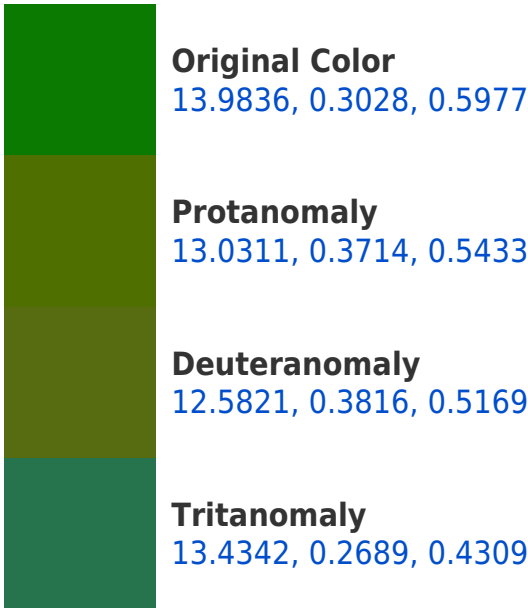
13.8236, 0.4557, 0.4497



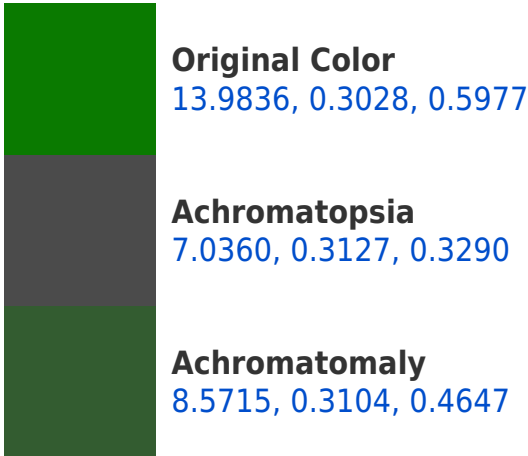
Tritanopia

13.9704, 0.2383, 0.3055

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9836, 0.3028, 0.5977 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(10, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(10, 122, 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(10, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 122, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.9836, 0.3028, 0.5977 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(10, 122, 0) }
```


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

```
.border{ border-color:rgb(10, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(10, 122, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.9836, 0.3028, 0.5977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 122, 0) }
```

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

```
.background{ background-color: rgb(10, 122,  
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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