

Converting Colors

$Y_{xy}(13.9037, 0.3006, 0.5870)$

Have a look what the booklet for
Yxy(13.9037, 0.3006, 0.5870)
contains.

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Color

$Y_{xy}(14.0238, 0.3006, 0.5873)$

Conversions

Conversions Part 1

Format	Color
Hex	0C7A0C
RGB	12, 122, 12
RGB Percent	5%, 48%, 5%
CMY	0.9528, 0.5216, 0.9529
CMYK	0.90, 0.00, 0.90, 0.52
HSL	120°, 82%, 26%
HSV	120°, 90%, 48%
XYZ	7.1779, 14.0238, 2.6768
YIQ	76.5700, -30.2500, -57.5300

Conversions

Conversions Part 2

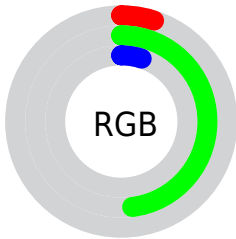
Format	Color
R_{YB}	12, 122, 122
Decimal	817676
CIE Lab	44.27, -48.43, 45.75
CIE LCh	44, 66.624, 136.626
Yxy	14.0238, 0.3006, 0.5873
Android (android.graphics.Color)	4279007756 (0xFF0C7A0C)
YUV	76.5700, -31.8330, -56.6279
Hunter-Lab	37.4484, -31.3209, 21.9759

Details

The Yxy color **14.0238, 0.3006, 0.5873** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.8058, 0.3207, 0.1595**, and the grayscale version is **7.4039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3070, 0.3133, 0.5182**, and **4.6347, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.9195, 0.3000, 0.6000**, and if you desaturate by 10%, it is **14.1833, 0.3014, 0.5694**.

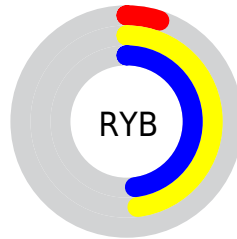
Distribution



Red (5%)

Green (48%)

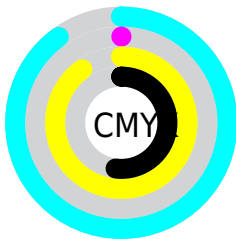
Blue (5%)



Red (5%)

Yellow (48%)

Blue (48%)

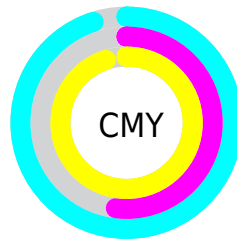


Cyan (90%)

Magenta (0%)

Yellow (90%)

Black (52%)



Cyan (95%)


Magenta (52%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0238, 0.3006, 0.5873 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 14.0238, 0.3006, 0.5873 by changing the saturation by 10% instead.


 14.0238, 0.3006,
0.5873


 14.0238, 0.3006,
0.5873


217.3788, 0.3189,
0.4236


 8.1372, 0.2853,
0.6412


 33.1313, 0.3131,
0.5178


 4.1829, 0.2627,
0.7373

 47.1209, 0.3156,
0.4948

 1.7764, 0.1522,
0.8478

 64.5804, 0.3171,
0.4766

 0.4724, 0.0000,
1.0000

 85.8941, 0.3180,
0.4618


 0.0000, 0.0000,
0.0000

 111.4464, 0.3185,
0.4497


 141.6217, 0.3188,


0.4396


 176.8044, 0.3189,
0.4310

 14.0238, 0.3006,
0.5873


 14.0238, 0.3006,
0.5873


 13.9195, 0.3000,
0.6000

 14.1833, 0.3014,
0.5694

 14.4322, 0.3026,
0.5441

 14.7817, 0.3041,
0.5134

 15.2409, 0.3056,
0.4797

 15.8181, 0.3073,
0.4454

■ 16.5205, 0.3088,
0.4123

■ 17.3550, 0.3103,
0.3816

■ 18.3277, 0.3116,
0.3538

■ 19.4446, 0.3127,
0.3293

Harmonies

Analogous

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



14.0238, 0.4159, 0.5499



14.0238, 0.3006, 0.5873



14.0238, 0.1937, 0.4821

Triad

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



14.0238, 0.3006, 0.5873



14.0238, 0.1226, 0.1550



14.0238, 0.5357, 0.2915

Complementary

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



14.0238, 0.3006, 0.5873



5.8058, 0.3207, 0.1595

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.



14.0238, 0.4118, 0.2221



14.0238, 0.3006, 0.5873



14.0238, 0.1740, 0.1480

Square

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



14.0238, 0.3006, 0.5873



14.0238, 0.1071, 0.2015



14.0238, 0.2718, 0.1712



14.0238, 0.5702, 0.3687

Rectangle

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



14.0238, 0.3006, 0.5873



14.0238, 0.1435, 0.3647



14.0238, 0.2718, 0.1712



14.0238, 0.5017, 0.2672

Sweetspot

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



14.0244, 0.3006, 0.5873



29.4083, 0.3092, 0.4043



17.6378, 0.4185, 0.4977



6.6407, 0.3088, 0.4128



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.



14.0244, 0.3006, 0.5873



24.4879, 0.3000, 0.6000



14.3815, 0.2706, 0.4821



4.4500, 0.3117, 0.3511



14.6546, 0.3000, 0.6000



69.9039, 0.3000, 0.6000

Inverse Universe

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



5.8058, 0.3207, 0.1595



9.7503, 0.3209, 0.1541



4.8288, 0.4589, 0.2402



4.0775, 0.3137, 0.3079



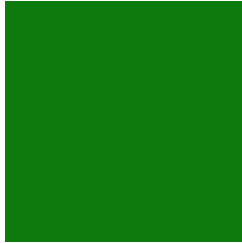
5.8350, 0.3209, 0.1541



27.8334, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 14.0238, 0.3006, 0.5873 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

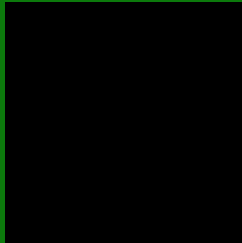
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0238, 0.3006, 0.5873

Background



This preview shows how black text looks on a background with the Yxy color 14.0238, 0.3006, 0.5873.



This preview shows how white text looks on a background with the Yxy color 14.0238, 0.3006, 0.5873.

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

14.0238, 0.3006, 0.5873

Protanopia

13.9547, 0.4392, 0.4894

Deuteranopia

13.8377, 0.4534, 0.4467



Tritanopia

13.9704, 0.2383, 0.3055

Trichromacy



Original Color

14.0238, 0.3006, 0.5873

Protanomaly

13.0399, 0.3701, 0.5404

Deuteranomaly

12.6520, 0.3798, 0.5093

Tritanomaly

13.5086, 0.2644, 0.4167

Monochromacy



Original Color

14.0238, 0.3006, 0.5873

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.8426, 0.3070, 0.4506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0238, 0.3006, 0.5873 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(12, 122, 12)` looks like.

```
.text, #text, p{  
    color:rgb(12, 122, 12)  
}
```

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(12, 122, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 122, 12) }
```

Border

The CSS property to change the border of an element to Yxy 14.0238, 0.3006, 0.5873 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(12, 122, 12) }
```

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

```
.border{ border-color:rgb(12, 122, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 122, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 122, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 122, 12);  
box-shadow:4px 4px 4px 4px rgb(12, 122,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0238, 0.3006, 0.5873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 122, 12) }
```

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

```
.background{ background-color: rgb(12, 122,  
12) }
```

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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