

Converting Colors

$Y_{xy}(13.4204, 0.3262, 0.6133)$

Have a look what the booklet for
Yxy(13.4204, 0.3262, 0.6133)
contains.

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Color

Yxy(13.5870, 0.3175, 0.5861)

Conversions

Conversions Part 1

Format	Color
Hex	257700
RGB	37, 119, 0
RGB Percent	15%, 47%, 0%
CMY	0.8548, 0.5333, 1.0000
CMYK	0.69, 0.00, 1.00, 0.53
HSL	101°, 100%, 23%
HSV	101°, 100%, 47%
XYZ	7.3603, 13.5870, 2.2347
YIQ	80.9160, -10.6730, -54.3930

Conversions

Conversions Part 2

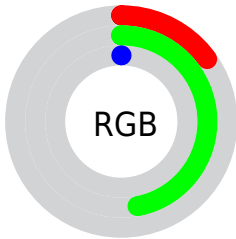
Format	Color
RYB	0, 119, 82
Decimal	2455296
CIELab	43.63, -43.93, 48.06
CIELCh	44, 65.110, 132.428
Yxy	13.5870, 0.3175, 0.5861
Android (android.graphics.Color)	4280645376 (0xFF257700)
YUV	80.9160, -39.8916, -38.5143
Hunter-Lab	36.8605, -28.8631, 22.2078

Details

The Yxy color **13.5870, 0.3175, 0.5861** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.1258, 0.2464, 0.1131**, and the grayscale version is **8.2944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2857, 0.3263, 0.5179**, and **4.2562, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **13.5874, 0.3175, 0.5861**, and if you desaturate by 10%, it is **13.7831, 0.3213, 0.5711**.

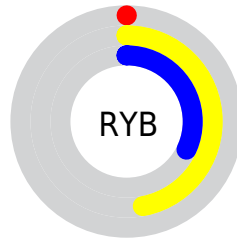
Distribution



Red (15%)

Green (47%)

Blue (0%)



Red (0%)

Yellow (47%)

Blue (32%)

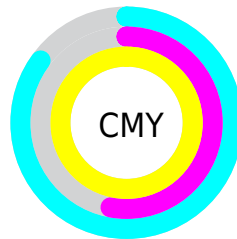


Cyan (69%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (85%)


Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5870, 0.3175, 0.5861 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 13.5870, 0.3175, 0.5861 by changing the saturation by 10% instead.


 13.5870, 0.3175,
0.5861


 13.5870, 0.3175,
0.5861

214.6462, 0.3265,
0.4245


 7.8340, 0.3047,
0.6387


 32.3544, 0.3267,
0.5183


 3.9889, 0.2804,
0.7196

 46.1376, 0.3279,
0.4956


 1.6674, 0.1785,
0.8215

 63.3663, 0.3283,
0.4775

 0.4024, 0.0000,
1.0000


 84.4249, 0.3282,
0.4628


 0.0000, 0.0000,
0.0000

 109.6978, 0.3279,
0.4507

 139.5693, 0.3275,


0.4405

 174.4240, 0.3270,
0.4319


 13.5870, 0.3175,
0.5861


 13.5870, 0.3175,
0.5861


 13.5874, 0.3175,
0.5861

 13.7831, 0.3213,
0.5711

 14.0273, 0.3248,
0.5522

 14.3313, 0.3268,
0.5279

 14.6993, 0.3275,
0.4997

 15.1353, 0.3269,
0.4693

■ 15.6427, 0.3252,
0.4383

■ 16.2248, 0.3227,
0.4081

■ 16.8846, 0.3196,
0.3795

■ 17.6250, 0.3162,
0.3530

Harmonies

Analogous

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



13.5870, 0.4311, 0.5367



13.5870, 0.3175, 0.5861



13.5870, 0.2083, 0.5023

Triad

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



13.5870, 0.3175, 0.5861



13.5870, 0.1200, 0.1603



13.5870, 0.5202, 0.2820

Complementary

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



13.5870, 0.3175, 0.5861



3.1258, 0.2464, 0.1131

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.



13.5870, 0.3904, 0.2146



13.5870, 0.3175, 0.5861



13.5870, 0.1656, 0.1486

Square

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



13.5870, 0.3175, 0.5861



13.5870, 0.1092, 0.2138



13.5870, 0.2557, 0.1676



13.5870, 0.5689, 0.3579

Rectangle

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



13.5870, 0.3175, 0.5861



13.5870, 0.1538, 0.3884



13.5870, 0.2557, 0.1676



13.5870, 0.4828, 0.2582

Sweetspot

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



13.5876, 0.3175, 0.5861



28.9682, 0.3229, 0.4104



9.8547, 0.4856, 0.4526



6.7780, 0.3238, 0.4206



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.



13.5876, 0.3175, 0.5861



24.2638, 0.3159, 0.5874



13.2512, 0.2938, 0.5775



4.1484, 0.3159, 0.3506



14.4309, 0.3173, 0.5863



69.9170, 0.3140, 0.5889

Inverse Universe

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



3.1258, 0.2464, 0.1131



5.5216, 0.2446, 0.1121



4.7888, 0.3713, 0.1819



3.7035, 0.3092, 0.3078



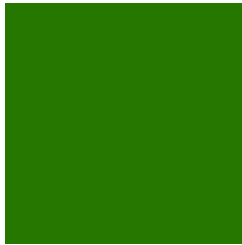
3.3153, 0.2462, 0.1130



15.6868, 0.2422, 0.1108

Previews

White Background



This preview shows how the Yxy color 13.5870, 0.3175, 0.5861 looks on a white background.

Color Contrast Check

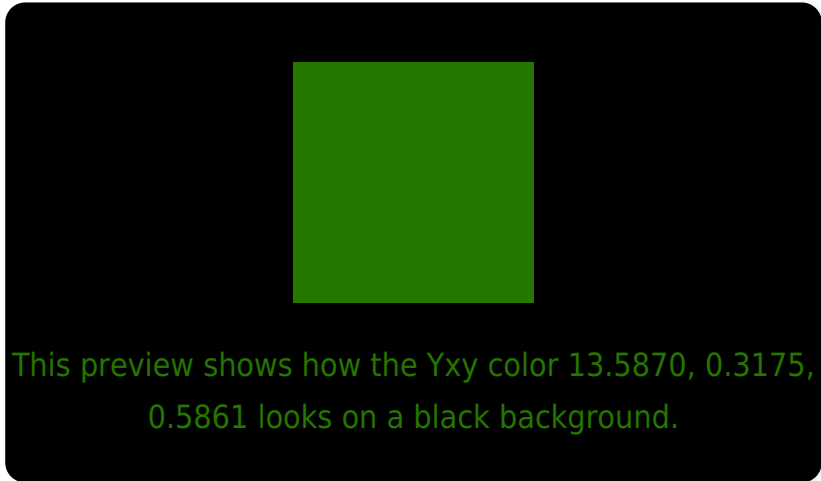
Large Text (above 18pt) WCAG AA ✓ Pass

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

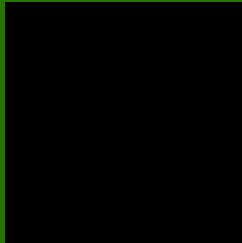
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5870, 0.3175, 0.5861

Background



This preview shows how black text looks on a background with the Yxy color 13.5870, 0.3175, 0.5861.



This preview shows how white text looks on a background with the Yxy color 13.5870, 0.3175, 0.5861.

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

13.5870, 0.3175, 0.5861

Deuteranopia

13.2867, 0.4568, 0.4494

Tritanopia

13.6856, 0.2460, 0.3078

Trichromacy



Original Color

13.5870, 0.3175, 0.5861

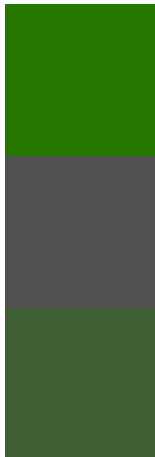
Deuteranomaly

12.6274, 0.3988, 0.5051

Tritanomaly

13.2865, 0.2822, 0.4291

Monochromacy



Original Color

13.5870, 0.3175, 0.5861

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.5562, 0.3254, 0.4512

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5870, 0.3175, 0.5861 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(37, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(37, 119, 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(37, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 119, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.5870, 0.3175, 0.5861 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(37, 119, 0) }
```

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

```
.border{ border-color:rgb(37, 119, 0) }
```

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

Here you see how a box with a 4 pixel rgb(37, 119, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(37, 119, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 13.5870, 0.3175, 0.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 119, 0) }
```

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

```
.background{ background-color: rgb(37, 119,  
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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