

Converting Colors

$Y_{xy}(16.0195, 0.2728, 0.6044)$

Have a look what the booklet for
Yxy(16.0195, 0.2728, 0.6044)
contains.

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Color

Yxy(16.5430, 0.2964, 0.5871)

Conversions

Conversions Part 1

Format	Color
Hex	008411
RGB	0, 132, 17
RGB Percent	0%, 52%, 7%
CMY	1.0000, 0.4823, 0.9334
CMYK	1.00, 0.00, 0.87, 0.48
HSL	128°, 100%, 26%
HSV	128°, 100%, 52%
XYZ	8.3518, 16.5430, 3.2827
YIQ	79.4220, -41.7570, -63.7490

Conversions

Conversions Part 2

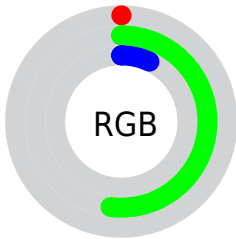
Format	Color
RYB	0, 117, 132
Decimal	33809
CIELab	47.68, -52.19, 47.54
CIELCh	48, 70.599, 137.667
Yxy	16.5430, 0.2964, 0.5871
Android (android.graphics.Color)	4278223889 (0xFF008411)
YUV	79.4220, -30.7740, -69.6531
Hunter-Lab	40.6731, -34.5247, 23.6859

Details

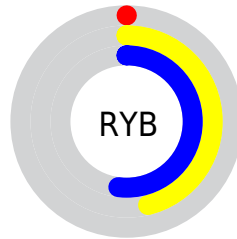
The Yxy color **16.5430, 0.2964, 0.5871** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.1439, 0.3553, 0.1731**, and the grayscale version is **7.9712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3927, 0.3090, 0.5195**, and **5.8849, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.5441, 0.2964, 0.5871**, and if you desaturate by 10%, it is **16.6769, 0.2957, 0.5710**.

Distribution



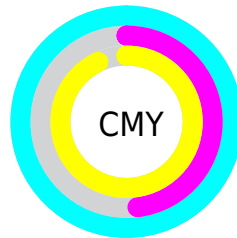
- Red (0%)
- Green (52%)
- Blue (7%)



- Red (0%)
- Yellow (46%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (48%)





- Cyan (100%)
- Magenta (48%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5430, 0.2964, 0.5871 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 16.5430, 0.2964, 0.5871 by changing the saturation by 10% instead.


 16.5430, 0.2964,
0.5871


 16.5430, 0.2964,
0.5871

232.5249, 0.3169,
0.4265


 9.9092, 0.2818,
0.6383


 37.5383, 0.3093,
0.5201


 5.3388, 0.2637,
0.7346

 52.6687, 0.3122,
0.4975

 2.4474, 0.1932,
0.8068

 71.4000, 0.3140,
0.4795

 0.8501, 0.0000,
1.0000


 94.1167, 0.3152,
0.4649


 0.0000, 0.0000,
0.0000


 121.2031, 0.3159,
0.4528


 153.0437, 0.3164,

0.4426

 190.0228, 0.3167,
0.4340


 16.5430, 0.2964,
0.5871


 16.5430, 0.2964,
0.5871


 16.5441, 0.2964,
0.5871

 16.6769, 0.2957,
0.5710

 16.8817, 0.2951,
0.5492

 17.1902, 0.2954,
0.5224

 17.6140, 0.2966,
0.4925

 18.1631, 0.2985,
0.4614

■ 18.8465, 0.3010,
0.4306

■ 19.6722, 0.3038,
0.4014

■ 20.6477, 0.3068,
0.3746

■ 21.7800, 0.3098,
0.3504

Harmonies

Analogous

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



16.5430, 0.4119, 0.5531



16.5430, 0.2964, 0.5871



16.5430, 0.1902, 0.4767

Triad

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



16.5430, 0.2964, 0.5871



16.5430, 0.1234, 0.1538



16.5430, 0.5392, 0.2939

Complementary

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



16.5430, 0.2964, 0.5871



6.1439, 0.3553, 0.1731

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.



16.5430, 0.4171, 0.2240



16.5430, 0.2964, 0.5871



16.5430, 0.1762, 0.1480

Square

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



16.5430, 0.2964, 0.5871



16.5430, 0.1067, 0.1987



16.5430, 0.2759, 0.1722



16.5430, 0.5701, 0.3715

Rectangle

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



16.5430, 0.2964, 0.5871



16.5430, 0.1411, 0.3588



16.5430, 0.2759, 0.1722



16.5430, 0.5063, 0.2695

Sweetspot

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



16.5441, 0.2964, 0.5871



34.5447, 0.3036, 0.4033



20.2581, 0.3995, 0.5210



7.9150, 0.3026, 0.4137



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.5441, 0.2964, 0.5871



29.1271, 0.2971, 0.5895



17.1038, 0.2600, 0.4560



5.2138, 0.3100, 0.3485



16.0182, 0.2964, 0.5869



0.0561, 0.2828, 0.5379

Inverse Universe

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



6.1439, 0.3553, 0.1731



10.8065, 0.3561, 0.1735



5.1414, 0.5377, 0.2736



4.7528, 0.3155, 0.3103



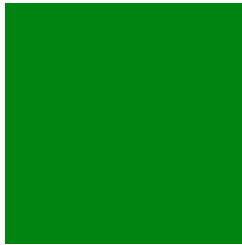
5.9490, 0.3552, 0.1730



0.0213, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 16.5430, 0.2964, 0.5871 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 16.5430, 0.2964, 0.5871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

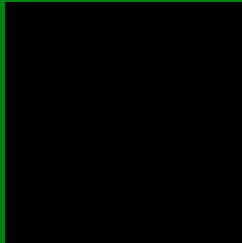
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.5430, 0.2964, 0.5871

Background



This preview shows how black text looks on a background with the Yxy color 16.5430, 0.2964, 0.5871.



This preview shows how white text looks on a background with the Yxy color 16.5430, 0.2964, 0.5871.

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

16.5430, 0.2964, 0.5871

Protanopia

16.3442, 0.4363, 0.4847

Deuteranopia

16.2879, 0.4523, 0.4460



Tritanopia

16.6716, 0.2375, 0.3071

Trichromacy



Original Color

16.5430, 0.2964, 0.5871



Protanomaly

15.2113, 0.3614, 0.5399



Deuteranomaly

14.7436, 0.3711, 0.5133



Tritanomaly

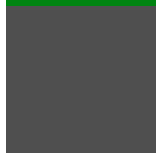
16.0344, 0.2606, 0.4160

Monochromacy



Original Color

16.5430, 0.2964, 0.5871



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

9.6990, 0.2993, 0.4538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5430, 0.2964, 0.5871 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, 132, 17)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 17)  
}
```

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, 132, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 17) }
```

Border

The CSS property to change the border of an element to Yxy 16.5430, 0.2964, 0.5871 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, 132, 17) }
```

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

```
.border{ border-color:rgb(0, 132, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 17);  
box-shadow:4px 4px 4px 4px rgb(0, 132, 17)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5430, 0.2964, 0.5871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 17) }
```

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

```
.background{ background-color: rgb(0, 132,  
17) }
```

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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