

Converting Colors

$Y_{xy}(15.3888, 0.2497, 0.6200)$

Have a look what the booklet for
Yxy(15.3888, 0.2497, 0.6200)
contains.

Yxy(16.5462, 0.2961, 0.5861)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.5462, 0.2961, 0.5861)

Conversions

Conversions Part 1

Format	Color
Hex	008412
RGB	0, 132, 18
RGB Percent	0%, 52%, 7%
CMY	1.0000, 0.4823, 0.9294
CMYK	1.00, 0.00, 0.86, 0.48
HSL	128°, 100%, 26%
HSV	128°, 100%, 52%
XYZ	8.3592, 16.5462, 3.3256
YIQ	79.5360, -42.0780, -63.4380

Conversions

Conversions Part 2

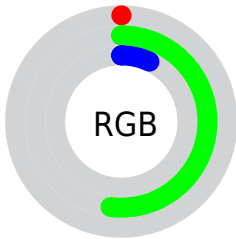
Format	Color
RYB	0, 116, 132
Decimal	33810
CIELab	47.68, -52.14, 47.28
CIELCh	48, 70.387, 137.799
Yxy	16.5462, 0.2961, 0.5861
Android (android.graphics.Color)	4278223890 (0xFF008412)
YUV	79.5360, -30.3372, -69.7531
Hunter-Lab	40.6770, -34.5027, 23.6266

Details

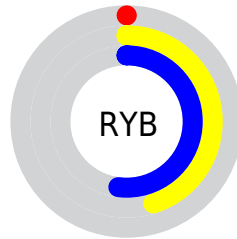
The Yxy color **16.5462, 0.2961, 0.5861** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.1208, 0.3575, 0.1743**, and the grayscale version is **7.9943, 0.3127, 0.3290**.

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 **16.5478, 0.2961, 0.5861**, and if you desaturate by 10%, it is **16.6819, 0.2953, 0.5697**.

Distribution



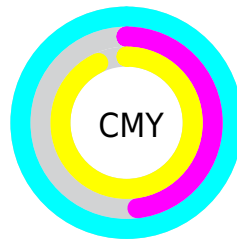
- Red (0%)
- Green (52%)
- Blue (7%)



- Red (0%)
- Yellow (45%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (86%)
- Black (48%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5462, 0.2961, 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 16.5462, 0.2961, 0.5861 by changing the saturation by 10% instead.


 16.5462, 0.2961,
0.5861


 16.5462, 0.2961,
0.5861


232.5435, 0.3167,
0.4261


 9.9115, 0.2816,
0.6372


 37.5439, 0.3090,
0.5192


 5.3403, 0.2632,
0.7325

 52.6756, 0.3119,
0.4968

 2.4483, 0.1936,
0.8064

 71.4085, 0.3137,
0.4789

 0.8506, 0.0000,
1.0000


 94.1269, 0.3149,
0.4643


 0.0000, 0.0000,
0.0000


 121.2152, 0.3156,
0.4522


 153.0578, 0.3161,


0.4421


 190.0391, 0.3165,
0.4335


 16.5462, 0.2961,
0.5861


 16.5462, 0.2961,
0.5861


 16.5478, 0.2961,
0.5861

 16.6819, 0.2953,
0.5697

 16.8878, 0.2946,
0.5477

 17.1971, 0.2949,
0.5209

 17.6213, 0.2961,
0.4911

 18.1705, 0.2981,
0.4602

■ 18.8535, 0.3006,
0.4297

■ 19.6784, 0.3035,
0.4008

■ 20.6526, 0.3066,
0.3742

■ 21.7830, 0.3097,
0.3502

Harmonies

Analogous

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



16.5462, 0.4114, 0.5530



16.5462, 0.2961, 0.5861



16.5462, 0.1901, 0.4754

Triad

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



16.5462, 0.2961, 0.5861



16.5462, 0.1239, 0.1541



16.5462, 0.5389, 0.2944

Complementary

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



16.5462, 0.2961, 0.5861



6.1208, 0.3575, 0.1743

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.



16.5462, 0.4175, 0.2246



16.5462, 0.2961, 0.5861



16.5462, 0.1769, 0.1484

Square

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



16.5462, 0.2961, 0.5861



16.5462, 0.1071, 0.1987



16.5462, 0.2766, 0.1727



16.5462, 0.5694, 0.3719

Rectangle

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



16.5462, 0.2961, 0.5861



16.5462, 0.1413, 0.3580



16.5462, 0.2766, 0.1727



16.5462, 0.5062, 0.2700

Sweetspot

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



16.5478, 0.2961, 0.5861



34.5549, 0.3033, 0.4026



20.1087, 0.3967, 0.5232



7.9176, 0.3022, 0.4129



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.



16.5478, 0.2961, 0.5861



29.1323, 0.2968, 0.5885



17.1380, 0.2584, 0.4502



5.2143, 0.3099, 0.3483



16.0214, 0.2961, 0.5859



0.0561, 0.2818, 0.5346

Inverse Universe

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



6.1208, 0.3575, 0.1743



10.7647, 0.3584, 0.1748



5.1227, 0.5443, 0.2772



4.7522, 0.3156, 0.3105



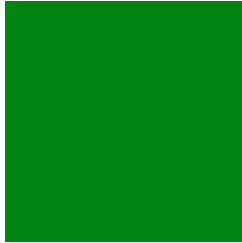
5.9265, 0.3575, 0.1743



0.0213, 0.3376, 0.1633

Previews

White Background



This preview shows how the Yxy color 16.5462, 0.2961, 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



This preview shows how the Yxy color 16.5462, 0.2961, 0.5861 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 16.5462, 0.2961, 0.5861

Background



This preview shows how black text looks on a background with the Yxy color 16.5462, 0.2961, 0.5861.



This preview shows how white text looks on a background with the Yxy color 16.5462, 0.2961, 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

16.5462, 0.2961, 0.5861

Protanopia

16.3488, 0.4356, 0.4837

Deuteranopia

16.2879, 0.4523, 0.4460



Tritanopia

16.6716, 0.2375, 0.3071

Trichromacy



Original Color

16.5462, 0.2961, 0.5861



Protanomaly

15.2140, 0.3611, 0.5392



Deuteranomaly

14.7483, 0.3705, 0.5120



Tritanomaly

16.0344, 0.2606, 0.4160

Monochromacy



Original Color

16.5462, 0.2961, 0.5861



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

9.9229, 0.2994, 0.4525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5462, 0.2961, 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(0, 132, 18)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 18)  
}
```

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, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 18) }
```

Border

The CSS property to change the border of an element to Yxy 16.5462, 0.2961, 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(0, 132, 18) }
```

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

```
.border{ border-color:rgb(0, 132, 18) }
```

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, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 18);  
box-shadow:4px 4px 4px 4px rgb(0, 132, 18)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.5462, 0.2961, 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(0, 132, 18) }
```

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

```
.background{ background-color: rgb(0, 132,  
18) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor