

Converting Colors

$Y_{xy}(16.2501, 0.2984, 0.5942)$

Have a look what the booklet for
Yxy(16.2501, 0.2984, 0.5942)
contains.

Yxy(16.2501, 0.2984, 0.5942)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.2501, 0.2984, 0.5942)

Conversions

Conversions Part 1

Format	Color
Hex	008308
RGB	0, 131, 8
RGB Percent	0%, 51%, 3%
CMY	0.9999, 0.4863, 0.9685
CMYK	1.00, 0.00, 0.94, 0.49
HSL	124°, 100%, 26%
HSV	124°, 100%, 51%
XYZ	8.1606, 16.2501, 2.9372
YIQ	77.8090, -38.5930, -66.0250

Conversions

Conversions Part 2

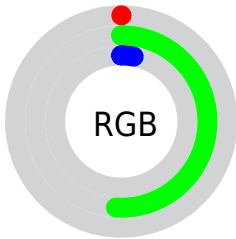
Format	Color
RYB	0, 123, 131
Decimal	33544
CIELab	47.30, -52.27, 49.16
CIELCh	47, 71.754, 136.757
Yxy	16.2501, 0.2984, 0.5942
Android (android.graphics.Color)	4278223624 (0xFF008308)
YUV	77.8090, -34.4158, -68.2385
Hunter-Lab	40.3114, -34.4096, 23.8980

Details

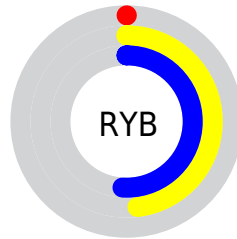
The Yxy color **16.2501, 0.2984, 0.5942** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.2562, 0.3364, 0.1627**, and the grayscale version is **7.6556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9091, 0.3115, 0.5256**, and **5.7373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.2505, 0.2984, 0.5942**, and if you desaturate by 10%, it is **16.3713, 0.2986, 0.5810**.

Distribution



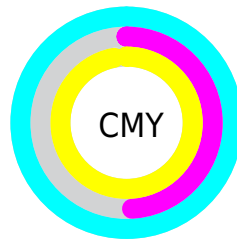
- Red (0%)
- Green (51%)
- Blue (3%)



- Red (0%)
- Yellow (48%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2501, 0.2984, 0.5942 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 16.2501, 0.2984, 0.5942 by changing the saturation by 10% instead.


 16.2501, 0.2984,
0.5942


 16.2501, 0.2984,
0.5942


230.8130, 0.3186,
0.4293


 9.7013, 0.2831,
0.6461


 37.0318, 0.3116,
0.5256


 5.2014, 0.2618,
0.7382

 52.0336, 0.3145,
0.5024


 2.3659, 0.1871,
0.8129

 70.6218, 0.3162,
0.4839

 0.8083, 0.0000,
1.0000

 93.1808, 0.3173,
0.4688


 0.0000, 0.0000,
0.0000


 120.0950, 0.3179,
0.4563


 151.7489, 0.3183,


0.4459


 188.5267, 0.3185,
0.4369


 16.2501, 0.2984,
0.5942


 16.2501, 0.2984,
0.5942


 16.2505, 0.2984,
0.5942

 16.3713, 0.2986,
0.5810

 16.5635, 0.2986,
0.5610

 16.8599, 0.2993,
0.5347

 17.2724, 0.3006,
0.5041

 17.8116, 0.3023,
0.4713

■ 18.4864, 0.3043,
0.4385

■ 19.3054, 0.3064,
0.4071

■ 20.2761, 0.3086,
0.3781

■ 21.4057, 0.3107,
0.3520

Harmonies

Analogous

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



16.2501, 0.4155, 0.5539



16.2501, 0.2984, 0.5942



16.2501, 0.1901, 0.4857

Triad

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



16.2501, 0.2984, 0.5942



16.2501, 0.1197, 0.1517



16.2501, 0.5414, 0.2904

Complementary

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



16.2501, 0.2984, 0.5942



6.2562, 0.3364, 0.1627

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.



16.2501, 0.4146, 0.2202



16.2501, 0.2984, 0.5942



16.2501, 0.1716, 0.1450

Square

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



16.2501, 0.2984, 0.5942



16.2501, 0.1038, 0.1982



16.2501, 0.2712, 0.1686



16.2501, 0.5751, 0.3681

Rectangle

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



16.2501, 0.2984, 0.5942



16.2501, 0.1397, 0.3643



16.2501, 0.2712, 0.1686



16.2501, 0.5068, 0.2658

Sweetspot

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



16.2508, 0.2984, 0.5942



34.4566, 0.3063, 0.4093



20.5519, 0.4109, 0.5119



7.8934, 0.3055, 0.4205



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.



16.2508, 0.2984, 0.5942



29.0921, 0.2988, 0.5958



16.7019, 0.2664, 0.4790



5.2090, 0.3109, 0.3500



15.9960, 0.2984, 0.5942



0.0557, 0.2913, 0.5686

Inverse Universe

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



6.2562, 0.3364, 0.1627



11.1934, 0.3368, 0.1629



5.1417, 0.5105, 0.2586



4.7581, 0.3146, 0.3089



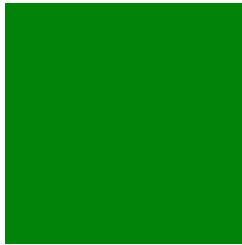
6.1574, 0.3364, 0.1627



0.0217, 0.3280, 0.1581

Previews

White Background



This preview shows how the Yxy color 16.2501, 0.2984, 0.5942 looks on a white background.

Color Contrast Check

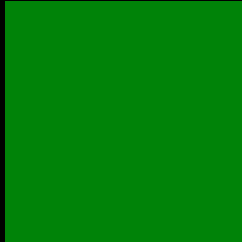
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.2501, 0.2984, 0.5942 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 16.2501, 0.2984, 0.5942

Background



This preview shows how black text looks on a background with the Yxy color 16.2501, 0.2984, 0.5942.



This preview shows how white text looks on a background with the Yxy color 16.2501, 0.2984, 0.5942.

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

16.2501, 0.2984, 0.5942

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

16.0595, 0.4567, 0.4483



Tritanopia

16.3972, 0.2377, 0.3069

Trichromacy



Original Color

16.2501, 0.2984, 0.5942



Protanomaly

14.9057, 0.3639, 0.5466



Deuteranomaly

14.4893, 0.3754, 0.5189



Tritanomaly

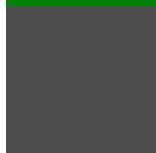
15.7127, 0.2635, 0.4247

Monochromacy



Original Color

16.2501, 0.2984, 0.5942



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.4845, 0.3027, 0.4607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2501, 0.2984, 0.5942 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, 131, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 8)  
}
```

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, 131, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 8) }
```

Border

The CSS property to change the border of an element to Yxy 16.2501, 0.2984, 0.5942 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, 131, 8) }
```

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

```
.border{ border-color:rgb(0, 131, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 131, 8); box-shadow:4px  
4px 4px 4px rgb(0, 131, 8) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2501, 0.2984, 0.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 8) }
```

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

```
.background{ background-color: rgb(0, 131,  
8) }
```

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