

Converting Colors

$Y_{xy}(14.9767, 0.2814, 0.4938)$

Have a look what the booklet for
Yxy(14.9767, 0.2814, 0.4938)
contains.

Yxy(15.0134, 0.2812, 0.4933)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.0134, 0.2812, 0.4933)

Conversions

Conversions Part 1

Format	Color
Hex	1D7C3D
RGB	29, 124, 61
RGB Percent	11%, 49%, 24%
CMY	0.8860, 0.5137, 0.7607
CMYK	0.77, 0.00, 0.51, 0.51
HSL	140°, 62%, 30%
HSV	140°, 77%, 49%
XYZ	8.5582, 15.0134, 6.8630
YIQ	88.4130, -36.3970, -39.7330

Conversions

Conversions Part 2

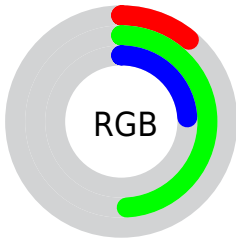
Format	Color
R_{YB}	29, 100, 124
Decimal	1932349
CIE _{Lab}	45.65, -41.64, 26.70
CIE _{LCh}	46, 49.466, 147.328
Yxy	15.0134, 0.2812, 0.4933
Android (android.graphics.Color)	4280122429 (0xFF1D7C3D)
YUV	88.4130, -13.5146, -52.1052
Hunter-Lab	38.7471, -28.3815, 16.6214

Details

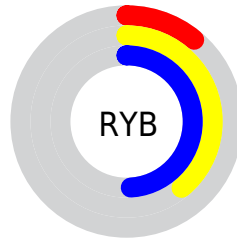
The Yxy color **15.0134, 0.2812, 0.4933** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.9406, 0.3908, 0.2172**, and the grayscale version is **9.8948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0904, 0.2920, 0.4484**, and **4.9320, 0.2901, 0.5645** is the 20% darker color. If you saturate the color by 10%, you get **14.7860, 0.2819, 0.5165**, and if you desaturate by 10%, it is **15.3285, 0.2821, 0.4689**.

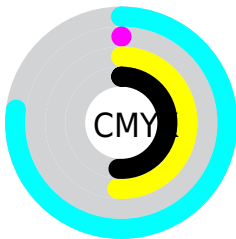
Distribution



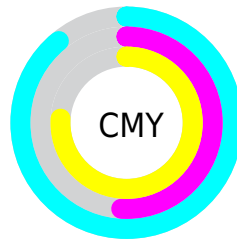
- Red (11%)
- Green (49%)
- Blue (24%)



- Red (11%)
- Yellow (39%)
- Blue (49%)



- Cyan (77%)
- Magenta (0%)
- Yellow (51%)
- Black (51%)





- Cyan (89%)
- Magenta (51%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0134, 0.2812, 0.4933 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 15.0134, 0.2812, 0.4933 by changing the saturation by 10% instead.


 15.0134, 0.2812,
0.4933


 15.0134, 0.2812,
0.4933


223.4473, 0.3038,
0.3894


 8.8288, 0.2710,
0.5307


 34.8767, 0.2920,
0.4483


 4.6297, 0.2533,
0.5880

 49.3242, 0.2952,
0.4338


 2.0317, 0.2351,
0.7575

 67.2947, 0.2975,
0.4224

 0.6258, 0.0000,
1.0000

 89.1727, 0.2994,
0.4132

 0.0000, 0.0000,
0.0000

 115.3426, 0.3008,
0.4056

 146.1887, 0.3020,

0.3993

182.0955, 0.3030,
0.3940

■ 15.0134, 0.2812,
0.4933

■ 15.0134, 0.2812,
0.4933

■ 14.7860, 0.2819,
0.5165

■ 15.3285, 0.2821,
0.4689

■ 14.6284, 0.2840,
0.5376

■ 15.7378, 0.2844,
0.4442

■ 14.5800, 0.2846,
0.5445

■ 16.2493, 0.2880,
0.4201

■ 16.8695, 0.2925,
0.3973

■ 17.6045, 0.2977,
0.3761

■ 18.4600, 0.3032,
0.3568

■ 19.4410, 0.3089,
0.3394

■ 20.5525, 0.3147,
0.3239

■ 21.7991, 0.3203,
0.3102

Harmonies

Analogous

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



15.0134, 0.3735, 0.5137



15.0134, 0.2812, 0.4933



15.0134, 0.2025, 0.3949

Triad

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



15.0134, 0.2812, 0.4933



15.0134, 0.1731, 0.1870



15.0134, 0.4958, 0.3296

Complementary

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



15.0134, 0.2812, 0.4933



5.9406, 0.3908, 0.2172

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.



15.0134, 0.4231, 0.2669



15.0134, 0.2812, 0.4933



15.0134, 0.2298, 0.1890

Square

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



15.0134, 0.2812, 0.4933



15.0134, 0.1495, 0.2161



15.0134, 0.3195, 0.2172



15.0134, 0.5043, 0.3981

Rectangle

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



15.0134, 0.2812, 0.4933



15.0134, 0.1685, 0.3189



15.0134, 0.3195, 0.2172



15.0134, 0.4779, 0.3078

Sweetspot

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



15.0140, 0.2812, 0.4933



31.4118, 0.2993, 0.3701



16.7974, 0.3660, 0.5175



7.2952, 0.2976, 0.3762



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.0140, 0.2812, 0.4933



25.8063, 0.2835, 0.5328



15.7634, 0.2430, 0.3672



4.4702, 0.3075, 0.3435



14.8221, 0.2846, 0.5446



70.5588, 0.2872, 0.5537

Inverse Universe

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



5.9406, 0.3908, 0.2172



8.9707, 0.4157, 0.2115



5.3556, 0.5241, 0.3043



4.0557, 0.3183, 0.3149



4.9793, 0.4243, 0.2111



23.5882, 0.4311, 0.2149

Previews

White Background



This preview shows how the Yxy color 15.0134, 0.2812, 0.4933 looks on a white background.

Color Contrast Check

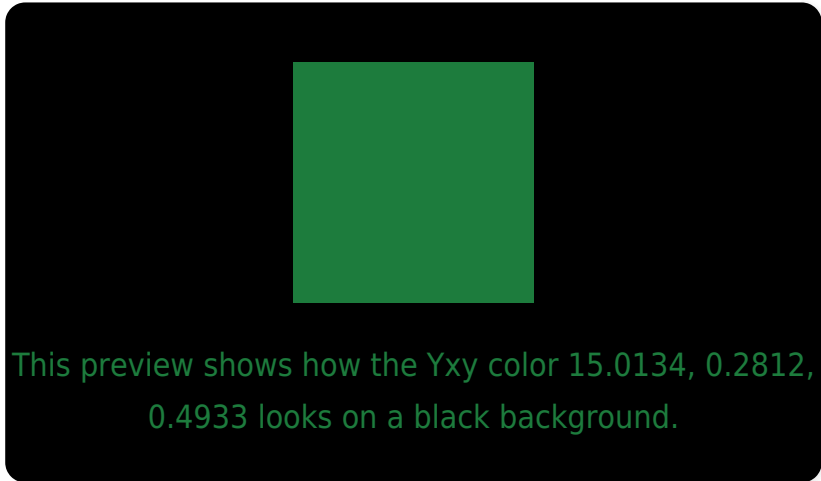
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0134, 0.2812, 0.4933

Background



This preview shows how black text looks on a background with the Yxy color 15.0134, 0.2812, 0.4933.



This preview shows how white text looks on a background with the Yxy color 15.0134, 0.2812, 0.4933.

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

15.0134, 0.2812, 0.4933

Protanopia

14.9229, 0.3976, 0.4343

Deuteranopia

14.8397, 0.4053, 0.3999



Tritanopia

15.0132, 0.2393, 0.3084

Trichromacy



Original Color

15.0134, 0.2812, 0.4933



Protanomaly

14.3085, 0.3420, 0.4619



Deuteranomaly

14.0662, 0.3458, 0.4373



Tritanomaly

14.9501, 0.2545, 0.3731

Monochromacy



Original Color

15.0134, 0.2812, 0.4933



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.0507, 0.2949, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0134, 0.2812, 0.4933 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(29, 124, 61)` looks like.

```
.text, #text, p{  
    color:rgb(29, 124, 61)  
}
```

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(29, 124, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 124, 61) }
```

Border

The CSS property to change the border of an element to Yxy 15.0134, 0.2812, 0.4933 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(29, 124, 61) }
```

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

```
.border{ border-color:rgb(29, 124, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 124, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 124, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 124, 61);  
box-shadow:4px 4px 4px 4px rgb(29, 124,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0134, 0.2812, 0.4933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 124, 61) }
```

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

```
.background{ background-color: rgb(29, 124,  
61) }
```

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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