

Converting Colors

$Y_{xy}(15.0205, 0.2970, 0.5014)$

Have a look what the booklet for
Yxy(15.0205, 0.2970, 0.5014)
contains.

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Color

$Y_{xy}(15.0226, 0.2970, 0.5013)$

Conversions

Conversions Part 1

Format	Color
Hex	2E7B37
RGB	46, 123, 55
RGB Percent	18%, 48%, 22%
CMY	0.8195, 0.5176, 0.7843
CMYK	0.63, 0.00, 0.55, 0.52
HSL	127°, 46%, 33%
HSV	127°, 63%, 48%
XYZ	8.9003, 15.0226, 6.0444
YIQ	92.2250, -24.0640, -37.4720

Conversions

Conversions Part 2

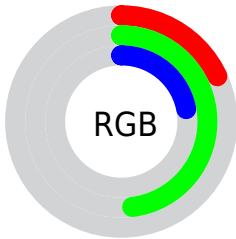
Format	Color
R_{YB}	46, 115, 123
Decimal	3046199
CIE Lab	45.67, -38.75, 30.02
CIE LCh	46, 49.018, 142.228
Yxy	15.0226, 0.2970, 0.5013
Android (android.graphics.Color)	4281236279 (0xFF2E7B37)
YUV	92.2250, -18.3519, -40.5393
Hunter-Lab	38.7590, -26.8390, 17.8851

Details

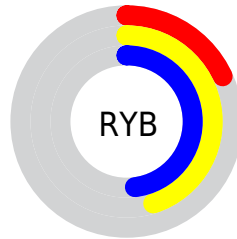
The Yxy color **15.0226, 0.2970, 0.5013** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7.3833, 0.3359, 0.2035**, and the grayscale version is **10.8067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7595, 0.3038, 0.4537**, and **4.7804, 0.2953, 0.5832** is the 20% darker color. If you saturate the color by 10%, you get **14.6842, 0.2960, 0.5306**, and if you desaturate by 10%, it is **15.4671, 0.2987, 0.4702**.

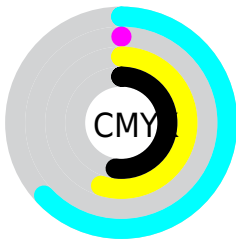
Distribution



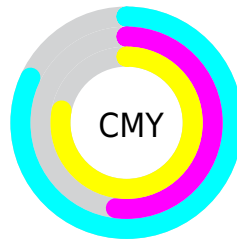
- Red (18%)
- Green (48%)
- Blue (22%)



- Red (18%)
- Yellow (45%)
- Blue (48%)



- Cyan (63%)
- Magenta (0%)
- Yellow (55%)
- Black (52%)




- Cyan (82%)
- Magenta (52%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0226, 0.2970, 0.5013 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 15.0226, 0.2970, 0.5013 by changing the saturation by 10% instead.


 15.0226, 0.2970,
0.5013

 15.0226, 0.2970,
0.5013


223.5030, 0.3107,
0.3927


 8.8352, 0.2891,
0.5397


 34.8928, 0.3045,
0.4545


 4.6339, 0.2740,
0.5977

 49.3445, 0.3064,
0.4394

 2.0341, 0.2567,
0.7433

 67.3197, 0.3077,
0.4274

 0.6272, 0.0000,
1.0000

 89.2029, 0.3087,
0.4178

 0.0000, 0.0000,
0.0000

 115.3784, 0.3094,
0.4098

 146.2306, 0.3100,

0.4032

182.1440, 0.3104,
0.3975

■ 15.0226, 0.2970,
0.5013

■ 15.0226, 0.2970,
0.5013

■ 14.6842, 0.2960,
0.5306

■ 15.4671, 0.2987,
0.4702

■ 14.4413, 0.2958,
0.5563

■ 16.0236, 0.3010,
0.4391

■ 14.2842, 0.2965,
0.5765

■ 16.6997, 0.3036,
0.4093

■ 14.1984, 0.2966,
0.5879

■ 17.5019, 0.3064,
0.3816

■ 18.4361, 0.3092,
0.3566

■ 19.5079, 0.3120,
0.3343

■ 20.7227, 0.3147,
0.3147

■ 22.0853, 0.3172,
0.2976

■ 23.6005, 0.3195,
0.2827

Harmonies

Analogous

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



15.0226, 0.3883, 0.5076



15.0226, 0.2970, 0.5013



15.0226, 0.2147, 0.4138

Triad

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



15.0226, 0.2970, 0.5013



15.0226, 0.1679, 0.1906



15.0226, 0.4860, 0.3187

Complementary

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



15.0226, 0.2970, 0.5013



7.3833, 0.3359, 0.2035

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.



15.0226, 0.4055, 0.2579



15.0226, 0.2970, 0.5013



15.0226, 0.2185, 0.1878

Square

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



15.0226, 0.2970, 0.5013



15.0226, 0.1498, 0.2258



15.0226, 0.3025, 0.2116



15.0226, 0.5059, 0.3861

Rectangle

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



15.0226, 0.2970, 0.5013



15.0226, 0.1767, 0.3374



15.0226, 0.3025, 0.2116



15.0226, 0.4647, 0.2974

Sweetspot

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



15.0232, 0.2970, 0.5013



31.8358, 0.3073, 0.3735



18.0287, 0.3864, 0.4743



7.4075, 0.3066, 0.3797



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.



15.0232, 0.2970, 0.5013



26.0901, 0.2958, 0.5421



15.5239, 0.2650, 0.4052



4.4569, 0.3102, 0.3484



14.6878, 0.2967, 0.5880



69.9945, 0.2981, 0.5931

Inverse Universe

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



7.3833, 0.3359, 0.2035



11.1639, 0.3421, 0.1851



6.7008, 0.4207, 0.2690



4.0699, 0.3153, 0.3103



5.4907, 0.3515, 0.1710



26.1100, 0.3533, 0.1720

Previews

White Background



This preview shows how the Yxy color 15.0226, 0.2970, 0.5013 looks on a white background.

Color Contrast Check

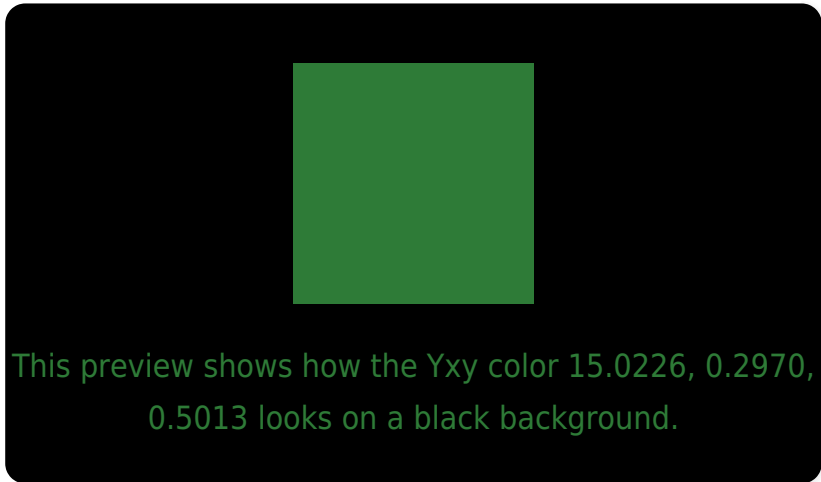
Large Text (above 18pt) WCAG AA ✓ Pass

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

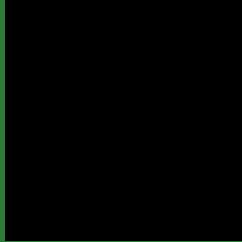
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0226, 0.2970, 0.5013

Background



This preview shows how black text looks on a background with the Yxy color 15.0226, 0.2970, 0.5013.



This preview shows how white text looks on a background with the Yxy color 15.0226, 0.2970, 0.5013.

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

15.0226, 0.2970, 0.5013

Protanopia

14.8774, 0.4032, 0.4428

Deuteranopia

14.8520, 0.4148, 0.4100



Tritanopia

15.0953, 0.2480, 0.3087

Trichromacy



Original Color

15.0226, 0.2970, 0.5013

Protanomaly

14.3335, 0.3562, 0.4667

Deuteranomaly

14.1667, 0.3636, 0.4443

Tritanomaly

15.0133, 0.2657, 0.3749

Monochromacy



Original Color

15.0226, 0.2970, 0.5013

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.7609, 0.3043, 0.3906

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0226, 0.2970, 0.5013 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(46, 123, 55)` looks like.

```
.text, #text, p{  
  color:rgb(46, 123, 55)  
}
```

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(46, 123, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 123, 55) }
```

Border

The CSS property to change the border of an element to Yxy 15.0226, 0.2970, 0.5013 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(46, 123, 55) }
```

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

```
.border{ border-color:rgb(46, 123, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 123, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 123, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 123, 55);  
box-shadow:4px 4px 4px 4px rgb(46, 123,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0226, 0.2970, 0.5013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 123, 55) }
```

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

```
.background{ background-color: rgb(46, 123,  
55) }
```

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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