

Converting Colors

$Y_{xy}(15.4292, 0.2988, 0.5831)$

Have a look what the booklet for
Yxy(15.4292, 0.2988, 0.5831)
contains.

Yxy(15.5532, 0.2987, 0.5831)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(15.5532, 0.2987, 0.5831)$

Conversions

Conversions Part 1

Format	Color
Hex	0B8012
RGB	11, 128, 18
RGB Percent	4%, 50%, 7%
CMY	0.9564, 0.4980, 0.9295
CMYK	0.91, 0.00, 0.86, 0.50
HSL	124°, 84%, 27%
HSV	124°, 91%, 50%
XYZ	7.9673, 15.5532, 3.1528
YIQ	80.4770, -34.4220, -59.0140

Conversions

Conversions Part 2

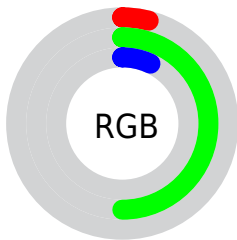
Format	Color
RYB	11, 121, 128
Decimal	753682
CIELab	46.38, -50.07, 46.14
CIELCh	46, 68.087, 137.337
Yxy	15.5532, 0.2987, 0.5831
Android (android.graphics.Color)	4278943762 (0xFF0B8012)
YUV	80.4770, -30.8012, -60.9313
Hunter-Lab	39.4375, -32.9545, 22.8664

Details

The Yxy color **15.5532, 0.2987, 0.5831** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.2155, 0.3340, 0.1663**, and the grayscale version is **8.1935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.8218, 0.3107, 0.5155**, and **5.3078, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.4547, 0.2984, 0.5943**, and if you desaturate by 10%, it is **15.7253, 0.2987, 0.5640**.

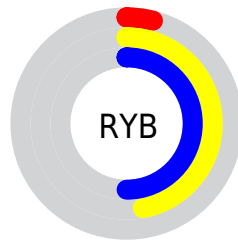
Distribution



Red (4%)

Green (50%)

Blue (7%)



Red (4%)

Yellow (47%)

Blue (50%)

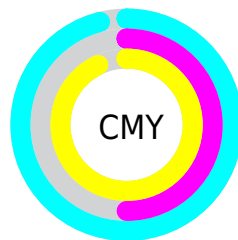


Cyan (91%)

Magenta (0%)

Yellow (86%)

Black (50%)



Cyan (96%)


Magenta (50%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5532, 0.2987, 0.5831 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 15.5532, 0.2987, 0.5831 by changing the saturation by 10% instead.


 15.5532, 0.2987,
0.5831


 15.5532, 0.2987,
0.5831


226.6906, 0.3176,
0.4239

 9.2085, 0.2844,
0.6347


 35.8208, 0.3109,
0.5161


 4.8775, 0.2667,
0.7333

 50.5125, 0.3136,
0.4937

 2.1755, 0.1874,
0.8126

 68.7554, 0.3152,
0.4760

 0.7066, 0.0000,
1.0000

 90.9337, 0.3162,
0.4615


 0.0000, 0.0000,
0.0000


 117.4321, 0.3169,
0.4496


 148.6347, 0.3172,

0.4396


 184.9261, 0.3175,
0.4312

 15.5532, 0.2987,
0.5831


 15.5532, 0.2987,
0.5831


 15.4547, 0.2984,
0.5943

 15.7253, 0.2987,
0.5640

 15.9941, 0.2994,
0.5385

 16.3717, 0.3006,
0.5083

 16.8682, 0.3022,
0.4758

 17.4922, 0.3042,
0.4429

■ 18.2519, 0.3063,
0.4112

■ 19.1545, 0.3084,
0.3819

■ 20.2069, 0.3105,
0.3554

■ 21.4155, 0.3125,
0.3319

Harmonies

Analogous

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



15.5532, 0.4130, 0.5499



15.5532, 0.2987, 0.5831



15.5532, 0.1931, 0.4759

Triad

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



15.5532, 0.2987, 0.5831



15.5532, 0.1249, 0.1560



15.5532, 0.5350, 0.2940

Complementary

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



15.5532, 0.2987, 0.5831



6.2155, 0.3340, 0.1663

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.



15.5532, 0.4141, 0.2247



15.5532, 0.2987, 0.5831



15.5532, 0.1770, 0.1497

Square

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



15.5532, 0.2987, 0.5831



15.5532, 0.1088, 0.2013



15.5532, 0.2752, 0.1735



15.5532, 0.5672, 0.3711

Rectangle

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



15.5532, 0.2987, 0.5831



15.5532, 0.1439, 0.3605



15.5532, 0.2752, 0.1735



15.5532, 0.5021, 0.2698

Sweetspot

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



15.5538, 0.2987, 0.5831



32.6920, 0.3070, 0.4001



19.6117, 0.4089, 0.5066



7.5540, 0.3064, 0.4085



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.5538, 0.2987, 0.5831



27.2029, 0.2988, 0.5958



16.0238, 0.2650, 0.4644



4.8225, 0.3109, 0.3499



15.3246, 0.2984, 0.5943



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.2155, 0.3340, 0.1663



10.4816, 0.3360, 0.1625



5.1982, 0.4866, 0.2545



4.4082, 0.3145, 0.3090



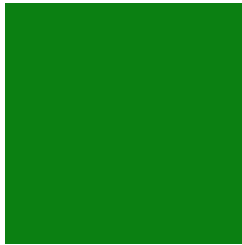
5.9073, 0.3357, 0.1623



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.5532, 0.2987, 0.5831 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 15.5532, 0.2987, 0.5831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

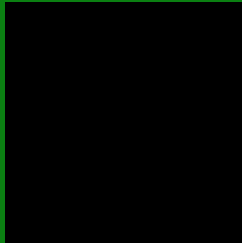
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5532, 0.2987, 0.5831

Background



This preview shows how black text looks on a background with the Yxy color 15.5532, 0.2987, 0.5831.



This preview shows how white text looks on a background with the Yxy color 15.5532, 0.2987, 0.5831.

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

15.5532, 0.2987, 0.5831

Protanopia

15.3894, 0.4344, 0.4841

Deuteranopia

15.3233, 0.4520, 0.4460



Tritanopia

15.5629, 0.2379, 0.3065

Trichromacy



Original Color

15.5532, 0.2987, 0.5831



Protanomaly

14.5481, 0.3651, 0.5355



Deuteranomaly

14.1135, 0.3755, 0.5087



Tritanomaly

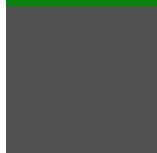
15.0524, 0.2622, 0.4128

Monochromacy



Original Color

15.5532, 0.2987, 0.5831



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

9.8816, 0.3046, 0.4452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5532, 0.2987, 0.5831 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(11, 128, 18)` looks like.

```
.text, #text, p{  
    color:rgb(11, 128, 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(11, 128, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 128, 18) }
```

Border

The CSS property to change the border of an element to Yxy 15.5532, 0.2987, 0.5831 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(11, 128, 18) }
```

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

```
.border{ border-color:rgb(11, 128, 18) }
```

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

Here you see how a box with a 4 pixel rgb(11, 128, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 128, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 128, 18);  
box-shadow:4px 4px 4px 4px rgb(11, 128,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5532, 0.2987, 0.5831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 128, 18) }
```

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

```
.background{ background-color: rgb(11, 128,  
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](#).

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