

Converting Colors

$Y_{xy}(15.2633, 0.2939, 0.5782)$

Have a look what the booklet for
Yxy(15.2633, 0.2939, 0.5782)
contains.

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Color

Yxy(15.2447, 0.2938, 0.5775)

Conversions

Conversions Part 1

Format	Color
Hex	007F18
RGB	0, 127, 24
RGB Percent	0%, 50%, 9%
CMY	0.9994, 0.5020, 0.9059
CMYK	1.00, 0.00, 0.81, 0.50
HSL	131°, 100%, 25%
HSV	131°, 100%, 50%
XYZ	7.7557, 15.2447, 3.3974
YIQ	77.2850, -42.6290, -58.9570

Conversions

Conversions Part 2

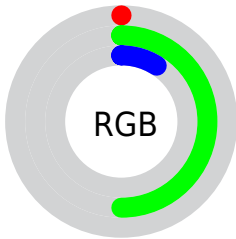
Format	Color
RYB	0, 107, 127
Decimal	32536
CIELab	45.97, -50.23, 43.88
CIELCh	46, 66.697, 138.864
Yxy	15.2447, 0.2938, 0.5775
Android (android.graphics.Color)	4278222616 (0xFF007F18)
YUV	77.2850, -26.2695, -67.7789
Hunter-Lab	39.0445, -32.8712, 22.1721

Details

The Yxy color **15.2447, 0.2938, 0.5775** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.4980, 0.3730, 0.1829**, and the grayscale version is **7.5427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2750, 0.3066, 0.5116**, and **5.1689, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.2437, 0.2938, 0.5777**, and if you desaturate by 10%, it is **15.3802, 0.2925, 0.5591**.

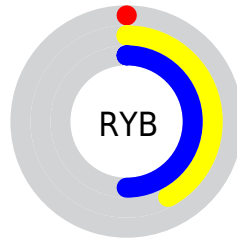
Distribution



Red (0%)

Green (50%)

Blue (9%)



Red (0%)

Yellow (42%)

Blue (50%)

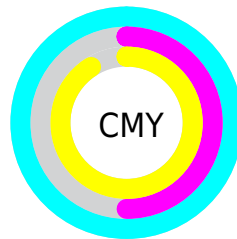


Cyan (100%)

Magenta (0%)

Yellow (81%)

Black (50%)



Cyan (100%)


Magenta (50%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2447, 0.2938, 0.5775 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 15.2447, 0.2938, 0.5775 by changing the saturation by 10% instead.


 15.2447, 0.2938,
0.5775


 15.2447, 0.2938,
0.5775


224.8426, 0.3148,
0.4208


 8.9913, 0.2793,
0.6296


 35.2819, 0.3066,
0.5110


 4.7355, 0.2612,
0.7292

 49.8345, 0.3095,
0.4890


 2.0929, 0.1782,
0.8218

 67.9222, 0.3114,
0.4716

 0.6606, 0.0000,
1.0000


 89.9296, 0.3127,
0.4575


 0.0000, 0.0000,
0.0000

 116.2409, 0.3135,
0.4459

 147.2406, 0.3141,

0.4361

 183.3130, 0.3145,
0.4279


 15.2447, 0.2938,
0.5775


 15.2447, 0.2938,
0.5775

 15.2437, 0.2938,
0.5777

 15.3802, 0.2925,
0.5591

 15.5788, 0.2915,
0.5362

 15.8706, 0.2917,
0.5095

 16.2657, 0.2930,
0.4807

 16.7727, 0.2952,
0.4514

■ 17.3995, 0.2982,
0.4227

■ 18.1532, 0.3016,
0.3957

■ 19.0402, 0.3053,
0.3709

■ 20.0667, 0.3090,
0.3486

Harmonies

Analogous

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



15.2447, 0.4073, 0.5516



15.2447, 0.2938, 0.5775



15.2447, 0.1903, 0.4652

Triad

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



15.2447, 0.2938, 0.5775



15.2447, 0.1283, 0.1566



15.2447, 0.5362, 0.2985

Complementary

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



15.2447, 0.2938, 0.5775



5.4980, 0.3730, 0.1829

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.



15.2447, 0.4201, 0.2290



15.2447, 0.2938, 0.5775



15.2447, 0.1823, 0.1519

Square

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



15.2447, 0.2938, 0.5775



15.2447, 0.1106, 0.1994



15.2447, 0.2821, 0.1770



15.2447, 0.5635, 0.3757

Rectangle

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



15.2447, 0.2938, 0.5775



15.2447, 0.1430, 0.3521



15.2447, 0.2821, 0.1770



15.2447, 0.5052, 0.2743

Sweetspot

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



15.2453, 0.2938, 0.5775



32.3865, 0.3013, 0.3979



18.1065, 0.3883, 0.5298



7.4657, 0.3000, 0.4073



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.



15.2453, 0.2938, 0.5775



27.2813, 0.2947, 0.5809



15.8648, 0.2534, 0.4320



4.8309, 0.3093, 0.3470



15.3740, 0.2938, 0.5778



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.4980, 0.3730, 0.1829



9.8181, 0.3745, 0.1837



4.6708, 0.5619, 0.2871



4.3990, 0.3163, 0.3117



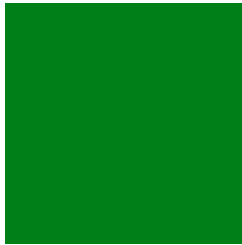
5.5407, 0.3731, 0.1829



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.2447, 0.2938, 0.5775 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 15.2447, 0.2938, 0.5775 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 15.2447, 0.2938, 0.5775

Background



This preview shows how black text looks on a background with the Yxy color 15.2447, 0.2938, 0.5775.



This preview shows how white text looks on a background with the Yxy color 15.2447, 0.2938, 0.5775.

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

15.2447, 0.2938, 0.5775

Protanopia

15.1219, 0.4314, 0.4793

Deuteranopia

15.0621, 0.4486, 0.4410



Tritanopia

15.2723, 0.2375, 0.3063

Trichromacy



Original Color

15.2447, 0.2938, 0.5775



Protanomaly

14.1646, 0.3576, 0.5319



Deuteranomaly

13.7189, 0.3672, 0.5045



Tritanomaly

14.7530, 0.2586, 0.4084

Monochromacy



Original Color

15.2447, 0.2938, 0.5775



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

9.1429, 0.2956, 0.4415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2447, 0.2938, 0.5775 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, 127, 24)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 24)  
}
```

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, 127, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 24) }
```

Border

The CSS property to change the border of an element to Yxy 15.2447, 0.2938, 0.5775 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, 127, 24) }
```

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

```
.border{ border-color:rgb(0, 127, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 24);  
box-shadow:4px 4px 4px 4px rgb(0, 127, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2447, 0.2938, 0.5775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 24) }
```

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

```
.background{ background-color: rgb(0, 127,  
24) }
```

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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