

Converting Colors

$Y_{xy}(12.5838, 0.1495, 0.6373)$

Have a look what the booklet for
Yxy(12.5838, 0.1495, 0.6373)
contains.

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Color

$\text{Yxy}(15.0682, 0.2866, 0.5517)$

Conversions

Conversions Part 1

Format	Color
Hex	007E27
RGB	0, 126, 39
RGB Percent	0%, 49%, 15%
CMY	0.9998, 0.5059, 0.8470
CMYK	1.00, 0.00, 0.69, 0.51
HSL	139°, 100%, 25%
HSV	139°, 100%, 49%
XYZ	7.8277, 15.0682, 4.4164
YIQ	78.4080, -47.1690, -53.7690

Conversions

Conversions Part 2

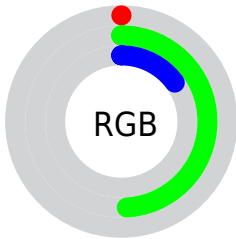
Format	Color
RYB	0, 96, 126
Decimal	32295
CIELab	45.73, -48.53, 37.71
CIELCh	46, 61.457, 142.151
Yxy	15.0682, 0.2866, 0.5517
Android (android.graphics.Color)	4278222375 (0xFF007E27)
YUV	78.4080, -19.4281, -68.7638
Hunter-Lab	38.8178, -31.9361, 20.4269

Details

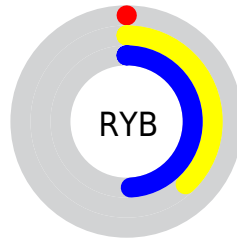
The Yxy color **15.0682, 0.2866, 0.5517** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.1256, 0.4144, 0.2057**, and the grayscale version is **7.7479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0094, 0.2993, 0.4918**, and **5.0322, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.0682, 0.2866, 0.5518**, and if you desaturate by 10%, it is **15.2159, 0.2846, 0.5313**.

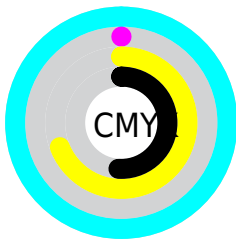
Distribution



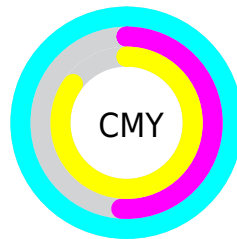
- Red (0%)
- Green (49%)
- Blue (15%)



- Red (0%)
- Yellow (38%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0682, 0.2866, 0.5517 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 15.0682, 0.2866, 0.5517 by changing the saturation by 10% instead.


 15.0682, 0.2866,
0.5517


 15.0682, 0.2866,
0.5517


223.7786, 0.3095,
0.4104


 8.8673, 0.2734,
0.6008


 34.9728, 0.2991,
0.4909


 4.6547, 0.2517,
0.6803

 49.4452, 0.3023,
0.4711


 2.0461, 0.1869,
0.8131

 67.4436, 0.3045,
0.4555

 0.6341, 0.0000,
1.0000

 89.3523, 0.3061,
0.4430

 0.0000, 0.0000,
0.0000

 115.5558, 0.3073,
0.4326

 146.4384, 0.3082,

0.4240

182.3846, 0.3089,
0.4167

■ 15.0682, 0.2866,
0.5517

■ 15.0682, 0.2866,
0.5517

■ 15.0682, 0.2866,
0.5518

■ 15.2159, 0.2846,
0.5313

■ 15.4214, 0.2833,
0.5084

■ 15.7142, 0.2835,
0.4836

■ 16.1036, 0.2852,
0.4580

■ 16.5977, 0.2882,
0.4326

■ 17.2035, 0.2922,
0.4083

■ 17.9278, 0.2969,
0.3855

■ 18.7764, 0.3020,
0.3646

■ 19.7550, 0.3073,
0.3458

Harmonies

Analogous

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



15.0682, 0.3946, 0.5456



15.0682, 0.2866, 0.5517



15.0682, 0.1906, 0.4373

Triad

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



15.0682, 0.2866, 0.5517



15.0682, 0.1417, 0.1641



15.0682, 0.5278, 0.3104

Complementary

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



15.0682, 0.2866, 0.5517



5.1256, 0.4144, 0.2057

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.



15.0682, 0.4269, 0.2421



15.0682, 0.2866, 0.5517



15.0682, 0.1983, 0.1624

Square

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



15.0682, 0.2866, 0.5517



15.0682, 0.1211, 0.2015



15.0682, 0.2978, 0.1895



15.0682, 0.5462, 0.3861

Rectangle

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



15.0682, 0.2866, 0.5517



15.0682, 0.1481, 0.3359



15.0682, 0.2978, 0.1895



15.0682, 0.5018, 0.2866

Sweetspot

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



15.0688, 0.2866, 0.5517



31.4542, 0.2965, 0.3871



17.0073, 0.3689, 0.5453



7.0507, 0.2949, 0.3948



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.



15.0688, 0.2866, 0.5517



26.5000, 0.2877, 0.5557



15.8581, 0.2422, 0.3919



4.8390, 0.3078, 0.3442



15.4577, 0.2867, 0.5520



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.1256, 0.4144, 0.2057



8.9935, 0.4171, 0.2071



4.5081, 0.6003, 0.3081



4.3905, 0.3180, 0.3142



5.2561, 0.4145, 0.2057



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.0682, 0.2866, 0.5517 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 15.0682, 0.2866, 0.5517 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 15.0682, 0.2866, 0.5517

Background



This preview shows how black text looks on a background with the Yxy color 15.0682, 0.2866, 0.5517.



This preview shows how white text looks on a background with the Yxy color 15.0682, 0.2866, 0.5517.

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

15.0682, 0.2866, 0.5517

Protanopia

14.9056, 0.4214, 0.4641

Deuteranopia

14.9741, 0.4348, 0.4285



Tritanopia

15.1930, 0.2370, 0.3084

Trichromacy



Original Color

15.0682, 0.2866, 0.5517



Protanomaly

13.9666, 0.3478, 0.5108



Deuteranomaly

13.4820, 0.3552, 0.4844



Tritanomaly

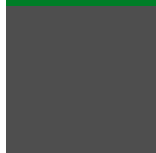
14.8080, 0.2534, 0.3950

Monochromacy



Original Color

15.0682, 0.2866, 0.5517



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

9.2327, 0.2896, 0.4223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0682, 0.2866, 0.5517 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, 126, 39)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 39)  
}
```

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, 126, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 39) }
```

Border

The CSS property to change the border of an element to Yxy 15.0682, 0.2866, 0.5517 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, 126, 39) }
```

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

```
.border{ border-color:rgb(0, 126, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 126, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 39);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0682, 0.2866, 0.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 126, 39) }
```

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

```
.background{ background-color: rgb(0, 126,  
39) }
```

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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