

Converting Colors

$Y_{xy}(13.0785, 0.1742, 0.5315)$

Have a look what the booklet for
Yxy(13.0785, 0.1742, 0.5315)
contains.

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Color

$Y_{xy}(15.0489, 0.2690, 0.4885)$

Conversions

Conversions Part 1

Format	Color
Hex	007D41
RGB	0, 125, 65
RGB Percent	0%, 49%, 25%
CMY	1.0000, 0.5098, 0.7451
CMYK	1.00, 0.00, 0.48, 0.51
HSL	151°, 100%, 25%
HSV	151°, 100%, 49%
XYZ	8.2869, 15.0489, 7.4705
YIQ	80.7850, -55.2400, -45.1600

Conversions

Conversions Part 2

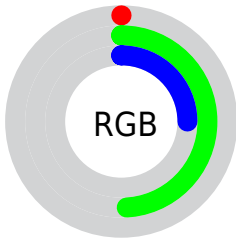
Format	Color
RYB	0, 82, 125
Decimal	32065
CIELab	45.70, -44.24, 24.50
CIElCh	46, 50.575, 151.019
Yxy	15.0489, 0.2690, 0.4885
Android (android.graphics.Color)	4278222145 (0xFF007D41)
YUV	80.7850, -7.7820, -70.8484
Hunter-Lab	38.7929, -29.7566, 15.7373

Details

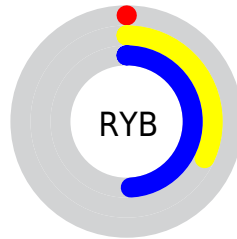
The Yxy color **15.0489, 0.2690, 0.4885** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.6865, 0.4972, 0.2513**, and the grayscale version is **8.2084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0748, 0.2827, 0.4446**, and **4.9481, 0.2860, 0.5495** is the 20% darker color. If you saturate the color by 10%, you get **15.0502, 0.2690, 0.4885**, and if you desaturate by 10%, it is **15.2053, 0.2674, 0.4711**.

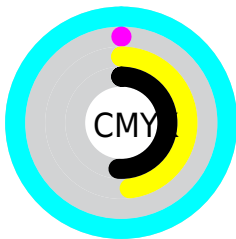
Distribution



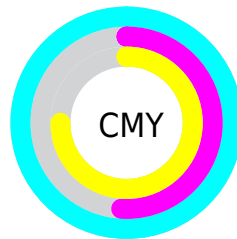
- Red (0%)
- Green (49%)
- Blue (25%)



- Red (0%)
- Yellow (32%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0489, 0.2690, 0.4885 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 15.0489, 0.2690, 0.4885 by changing the saturation by 10% instead.


 15.0489, 0.2690,
0.4885


 15.0489, 0.2690,
0.4885


223.6620, 0.2985,
0.3875


 8.8537, 0.2569,
0.5251


 34.9389, 0.2825,
0.4446

 4.6459, 0.2369,
0.5817

 49.4026, 0.2866,
0.4305

 2.0410, 0.2049,
0.7309

 67.3912, 0.2898,
0.4195

 0.6311, 0.0000,
1.0000

 89.2891, 0.2922,
0.4106

 0.0000, 0.0000,
0.0000

 115.4807, 0.2942,
0.4032

 146.3505, 0.2959,

0.3971

182.2828, 0.2973,
0.3919

■ 15.0489, 0.2690,
0.4885

■ 15.0489, 0.2690,
0.4885

■ 15.0502, 0.2690,
0.4885

■ 15.2053, 0.2674,
0.4711

■ 15.4111, 0.2669,
0.4532

■ 15.6958, 0.2682,
0.4351

■ 16.0680, 0.2713,
0.4171

■ 16.5353, 0.2760,
0.3997

■ 17.1042, 0.2819,
0.3831

■ 17.7807, 0.2888,
0.3677

■ 18.5704, 0.2964,
0.3535

■ 19.4784, 0.3045,
0.3406

Harmonies

Analogous

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



15.0489, 0.3625, 0.5197



15.0489, 0.2690, 0.4885



15.0489, 0.1926, 0.3815

Triad

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



15.0489, 0.2690, 0.4885



15.0489, 0.1760, 0.1833



15.0489, 0.5045, 0.3374

Complementary

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



15.0489, 0.2690, 0.4885



4.6865, 0.4972, 0.2513

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.



15.0489, 0.4373, 0.2729



15.0489, 0.2690, 0.4885



15.0489, 0.2377, 0.1889

Square

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



15.0489, 0.2690, 0.4885



15.0489, 0.1481, 0.2083



15.0489, 0.3325, 0.2205



15.0489, 0.5043, 0.4073

Rectangle

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



15.0489, 0.2690, 0.4885



15.0489, 0.1615, 0.3053



15.0489, 0.3325, 0.2205



15.0489, 0.4890, 0.3151

Sweetspot

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



15.0502, 0.2690, 0.4885



31.7437, 0.2883, 0.3688



15.6422, 0.3366, 0.5709



7.1218, 0.2858, 0.3740



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.



15.0502, 0.2690, 0.4885



26.9194, 0.2701, 0.4924



15.6272, 0.2233, 0.3238



4.8532, 0.3052, 0.3395



15.7052, 0.2691, 0.4888



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.6865, 0.4972, 0.2513



8.3624, 0.5024, 0.2541



4.4056, 0.6381, 0.3315



4.3760, 0.3210, 0.3187



4.8895, 0.4977, 0.2515



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.0489, 0.2690, 0.4885 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 15.0489, 0.2690, 0.4885 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 15.0489, 0.2690, 0.4885

Background



This preview shows how black text looks on a background with the Yxy color 15.0489, 0.2690, 0.4885.



This preview shows how white text looks on a background with the Yxy color 15.0489, 0.2690, 0.4885.

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

15.0489, 0.2690, 0.4885

Protanopia

14.9628, 0.3929, 0.4272

Deuteranopia

14.8885, 0.3998, 0.3926



Tritanopia

15.1197, 0.2338, 0.3061

Trichromacy



Original Color

15.0489, 0.2690, 0.4885



Protanomaly

13.9080, 0.3244, 0.4586



Deuteranomaly

13.6252, 0.3271, 0.4329



Tritanomaly

14.9707, 0.2443, 0.3685

Monochromacy



Original Color

15.0489, 0.2690, 0.4885



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

9.7875, 0.2792, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0489, 0.2690, 0.4885 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, 125, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 65)  
}
```

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, 125, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 65) }
```

Border

The CSS property to change the border of an element to Yxy 15.0489, 0.2690, 0.4885 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, 125, 65) }
```

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

```
.border{ border-color:rgb(0, 125, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 125, 65)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0489, 0.2690, 0.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 65) }
```

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

```
.background{ background-color: rgb(0, 125,  
65) }
```

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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