

Converting Colors

$Y_{xy}(15.2687, 0.2659, 0.4953)$

Have a look what the booklet for
Yxy(15.2687, 0.2659, 0.4953)
contains.

Yxy(15.2919, 0.2702, 0.4927)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(15.2919, 0.2702, 0.4927)$

Conversions

Conversions Part 1

Format	Color
Hex	007E40
RGB	0, 126, 64
RGB Percent	0%, 49%, 25%
CMY	0.9999, 0.5059, 0.7490
CMYK	1.00, 0.00, 0.49, 0.51
HSL	150°, 100%, 25%
HSV	150°, 100%, 49%
XYZ	8.3862, 15.2919, 7.3589
YIQ	81.2580, -55.1940, -45.9940

Conversions

Conversions Part 2

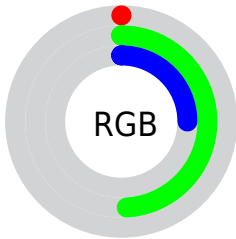
Format	Color
RYB	0, 84, 126
Decimal	32320
CIELab	46.03, -44.78, 25.48
CIELCh	46, 51.527, 150.358
Yxy	15.2919, 0.2702, 0.4927
Android (android.graphics.Color)	4278222400 (0xFF007E40)
YUV	81.2580, -8.5082, -71.2633
Hunter-Lab	39.1049, -30.1535, 16.2160

Details

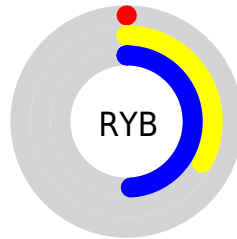
The Yxy color **15.2919, 0.2702, 0.4927** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.7842, 0.4924, 0.2486**, and the grayscale version is **8.3085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4545, 0.2834, 0.4478**, and **5.0792, 0.2872, 0.5539** is the 20% darker color. If you saturate the color by 10%, you get **15.2923, 0.2702, 0.4927**, and if you desaturate by 10%, it is **15.4497, 0.2685, 0.4749**.

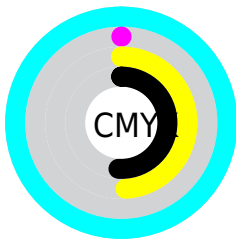
Distribution



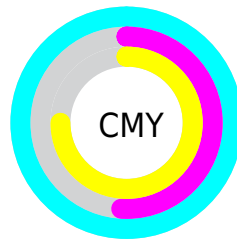
- Red (0%)
- Green (49%)
- Blue (25%)



- Red (0%)
- Yellow (33%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (51%)





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.2919, 0.2702, 0.4927 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 15.2919, 0.2702, 0.4927 by changing the saturation by 10% instead.


 15.2919, 0.2702,
0.4927

 15.2919, 0.2702,
0.4927


225.1263, 0.2991,
0.3891


 9.0245, 0.2582,
0.5300


 35.3645, 0.2835,
0.4478


 4.7572, 0.2382,
0.5875

 49.9384, 0.2876,
0.4334

 2.1055, 0.2083,
0.7388

 68.0500, 0.2906,
0.4220

 0.6677, 0.0000,
1.0000

 90.0836, 0.2931,
0.4129

 0.0000, 0.0000,
0.0000

 116.4236, 0.2950,
0.4054

 147.4545, 0.2966,

0.3991

183.5606, 0.2980,
0.3937

■ 15.2919, 0.2702,
0.4927

■ 15.2919, 0.2702,
0.4927

■ 15.2923, 0.2702,
0.4927

■ 15.4497, 0.2685,
0.4749

■ 15.6591, 0.2679,
0.4566

■ 15.9492, 0.2691,
0.4380

■ 16.3290, 0.2721,
0.4195

■ 16.8058, 0.2767,
0.4016

■ 17.3867, 0.2825,
0.3846

■ 18.0777, 0.2893,
0.3688

■ 18.8844, 0.2967,
0.3542

■ 19.8121, 0.3046,
0.3409

Harmonies

Analogous

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



15.2919, 0.3648, 0.5219



15.2919, 0.2702, 0.4927



15.2919, 0.1924, 0.3848

Triad

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



15.2919, 0.2702, 0.4927



15.2919, 0.1736, 0.1819



15.2919, 0.5061, 0.3357

Complementary

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



15.2919, 0.2702, 0.4927



4.7842, 0.4924, 0.2486

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.



15.2919, 0.4368, 0.2709



15.2919, 0.2702, 0.4927



15.2919, 0.2350, 0.1871

Square

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



15.2919, 0.2702, 0.4927



15.2919, 0.1462, 0.2078



15.2919, 0.3303, 0.2183



15.2919, 0.5071, 0.4060

Rectangle

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



15.2919, 0.2702, 0.4927



15.2919, 0.1606, 0.3071



15.2919, 0.3303, 0.2183



15.2919, 0.4900, 0.3133

Sweetspot

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



15.2925, 0.2702, 0.4927



31.7261, 0.2888, 0.3699



15.9794, 0.3388, 0.5692



7.1174, 0.2864, 0.3752



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.



15.2925, 0.2702, 0.4927



26.8881, 0.2713, 0.4965



16.4289, 0.2247, 0.3287



4.8523, 0.3053, 0.3398



15.6869, 0.2703, 0.4929



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.7842, 0.4924, 0.2486



8.3916, 0.4973, 0.2513



4.4361, 0.6400, 0.3300



4.3768, 0.3208, 0.3184



4.9066, 0.4926, 0.2487



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.2919, 0.2702, 0.4927 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 15.2919, 0.2702, 0.4927 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 15.2919, 0.2702, 0.4927

Background



This preview shows how black text looks on a background with the Yxy color 15.2919, 0.2702, 0.4927.



This preview shows how white text looks on a background with the Yxy color 15.2919, 0.2702, 0.4927.

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

15.2919, 0.2702, 0.4927

Protanopia

15.2358, 0.3946, 0.4301

Deuteranopia

15.1681, 0.4005, 0.3940



Tritanopia

15.4070, 0.2341, 0.3063

Trichromacy



Original Color

15.2919, 0.2702, 0.4927



Protanomaly

14.1242, 0.3252, 0.4626



Deuteranomaly

13.8447, 0.3268, 0.4348



Tritanomaly

15.2303, 0.2453, 0.3708

Monochromacy



Original Color

15.2919, 0.2702, 0.4927



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 15.2919, 0.2702, 0.4927 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, 64)` looks like.

```
.text, #text, p{  
    color:rgb(0, 126, 64)  
}
```

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, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 126, 64) }
```

Border

The CSS property to change the border of an element to Yxy 15.2919, 0.2702, 0.4927 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, 64) }
```

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

```
.border{ border-color:rgb(0, 126, 64) }
```

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, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 126, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 126, 64);  
box-shadow:4px 4px 4px 4px rgb(0, 126, 64)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2919, 0.2702, 0.4927 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, 64) }
```

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

```
.background{ background-color: rgb(0, 126,  
64) }
```

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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