

Converting Colors

$Y_{xy}(15.8336, 0.2724, 0.4846)$

Have a look what the booklet for
Yxy(15.8336, 0.2724, 0.4846)
contains.

Yxy(15.9628, 0.2729, 0.4860)	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

Yxy(15.9628, 0.2729, 0.4860)

Conversions

Conversions Part 1

Format	Color
Hex	118043
RGB	17, 128, 67
RGB Percent	7%, 50%, 26%
CMY	0.9333, 0.4980, 0.7372
CMYK	0.87, 0.00, 0.48, 0.50
HSL	147°, 77%, 28%
HSV	147°, 87%, 50%
XYZ	8.9635, 15.9628, 7.9190
YIQ	87.8570, -46.5750, -42.5030

Conversions

Conversions Part 2

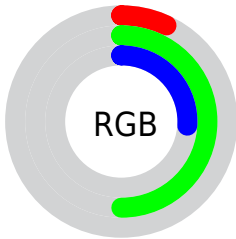
Format	Color
RYB	17, 94, 128
Decimal	1146947
CIELab	46.93, -43.64, 25.01
CIElCh	47, 50.301, 150.186
Yxy	15.9628, 0.2729, 0.4860
Android (android.graphics.Color)	4279337027 (0xFF118043)
YUV	87.8570, -10.2825, -62.1416
Hunter-Lab	39.9535, -29.8725, 16.2158

Details

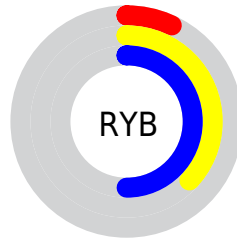
The Yxy color **15.9628, 0.2729, 0.4860** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.5404, 0.4413, 0.2333**, and the grayscale version is **9.7569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6017, 0.2853, 0.4437**, and **5.3657, 0.2852, 0.5469** is the 20% darker color. If you saturate the color by 10%, you get **15.7920, 0.2748, 0.5054**, and if you desaturate by 10%, it is **16.2069, 0.2725, 0.4656**.

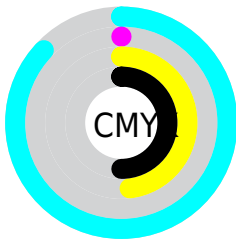
Distribution



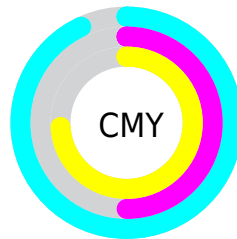
- Red (7%)
- Green (50%)
- Blue (26%)



- Red (7%)
- Yellow (37%)
- Blue (50%)



- Cyan (87%)
- Magenta (0%)
- Yellow (48%)
- Black (50%)





- Cyan (93%)
- Magenta (50%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9628, 0.2729, 0.4860 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 15.9628, 0.2729, 0.4860 by changing the saturation by 10% instead.


 15.9628, 0.2729,
0.4860


 15.9628, 0.2729,
0.4860


229.1221, 0.2998,
0.3874


 9.4978, 0.2619,
0.5211


 36.5336, 0.2852,
0.4435


 5.0673, 0.2437,
0.5747

 51.4082, 0.2890,
0.4298


 2.2868, 0.2172,
0.6942

 69.8549, 0.2919,
0.4189

 0.7667, 0.0000,
1.0000

 92.2579, 0.2941,
0.4102

 0.0000, 0.0000,
0.0000

 119.0018, 0.2960,
0.4030

 150.4708, 0.2975,

0.3969

187.0495, 0.2987,
0.3918

■ 15.9628, 0.2729,
0.4860

■ 15.9628, 0.2729,
0.4860

■ 15.7920, 0.2748,
0.5054

■ 16.2069, 0.2725,
0.4656

■ 15.7410, 0.2755,
0.5117

■ 16.5392, 0.2740,
0.4448

■ 16.9689, 0.2771,
0.4242

■ 17.5040, 0.2816,
0.4043

■ 18.1512, 0.2872,
0.3856

■ 18.9169, 0.2936,
0.3681

■ 19.8069, 0.3005,
0.3522

■ 20.8265, 0.3078,
0.3378

■ 21.9810, 0.3151,
0.3249

Harmonies

Analogous

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



15.9628, 0.3647, 0.5147



15.9628, 0.2729, 0.4860



15.9628, 0.1970, 0.3835

Triad

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



15.9628, 0.2729, 0.4860



15.9628, 0.1774, 0.1864



15.9628, 0.4989, 0.3360

Complementary

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



15.9628, 0.2729, 0.4860



5.5404, 0.4413, 0.2333

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.



15.9628, 0.4318, 0.2727



15.9628, 0.2729, 0.4860



15.9628, 0.2373, 0.1910

Square

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



15.9628, 0.2729, 0.4860



15.9628, 0.1509, 0.2122



15.9628, 0.3293, 0.2214



15.9628, 0.5012, 0.4047

Rectangle

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



15.9628, 0.2729, 0.4860



15.9628, 0.1655, 0.3091



15.9628, 0.3293, 0.2214



15.9628, 0.4832, 0.3141

Sweetspot

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



15.9634, 0.2729, 0.4860



33.3222, 0.2937, 0.3679



17.1014, 0.3501, 0.5460



7.7053, 0.2918, 0.3728



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.



15.9634, 0.2729, 0.4860



27.6850, 0.2766, 0.5156



16.9746, 0.2312, 0.3416



4.8484, 0.3060, 0.3411



15.6080, 0.2754, 0.5116



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.5404, 0.4413, 0.2333



8.8368, 0.4735, 0.2382



5.0504, 0.5940, 0.3242



4.3807, 0.3200, 0.3172



4.9936, 0.4692, 0.2358



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.9628, 0.2729, 0.4860 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 15.9628, 0.2729, 0.4860 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 15.9628, 0.2729, 0.4860

Background



This preview shows how black text looks on a background with the Yxy color 15.9628, 0.2729, 0.4860.



This preview shows how white text looks on a background with the Yxy color 15.9628, 0.2729, 0.4860.

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

15.9628, 0.2729, 0.4860

Protanopia

15.8434, 0.3922, 0.4270

Deuteranopia

15.7625, 0.3990, 0.3932



Tritanopia

16.0172, 0.2355, 0.3067

Trichromacy



Original Color

15.9628, 0.2729, 0.4860



Protanomaly

14.9663, 0.3318, 0.4549



Deuteranomaly

14.7010, 0.3347, 0.4303



Tritanomaly

15.9293, 0.2479, 0.3672

Monochromacy



Original Color

15.9628, 0.2729, 0.4860



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

11.3038, 0.2864, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9628, 0.2729, 0.4860 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(17, 128, 67)` looks like.

```
.text, #text, p{  
    color:rgb(17, 128, 67)  
}
```

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(17, 128, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 128, 67) }
```

Border

The CSS property to change the border of an element to Yxy 15.9628, 0.2729, 0.4860 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(17, 128, 67) }
```

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

```
.border{ border-color:rgb(17, 128, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 128, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 128, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 128, 67);  
box-shadow:4px 4px 4px 4px rgb(17, 128,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9628, 0.2729, 0.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 128, 67) }
```

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

```
.background{ background-color: rgb(17, 128,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor