

Converting Colors

$Y_{xy}(15.7310, 0.2848, 0.5071)$

Have a look what the booklet for
Yxy(15.7310, 0.2848, 0.5071)
contains.

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Color

Yxy(15.7354, 0.2849, 0.5074)

Conversions

Conversions Part 1

Format	Color
Hex	1D7F39
RGB	29, 127, 57
RGB Percent	11%, 50%, 22%
CMY	0.8861, 0.5020, 0.7765
CMYK	0.77, 0.00, 0.55, 0.50
HSL	137°, 63%, 31%
HSV	137°, 77%, 50%
XYZ	8.8353, 15.7354, 6.4412
YIQ	89.7180, -35.9380, -42.5460

Conversions

Conversions Part 2

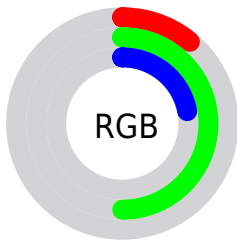
Format	Color
RYB	29, 105, 127
Decimal	1933113
CIELab	46.63, -43.44, 30.05
CIElCh	47, 52.818, 145.329
Yxy	15.7354, 0.2849, 0.5074
Android (android.graphics.Color)	4280123193 (0xFF1D7F39)
YUV	89.7180, -16.1300, -53.2497
Hunter-Lab	39.6679, -29.6613, 18.1402

Details

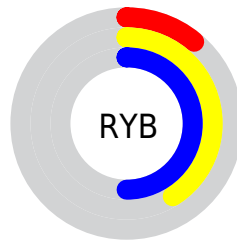
The Yxy color **15.7354, 0.2849, 0.5074** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.2947, 0.3794, 0.2086**, and the grayscale version is **10.2035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2620, 0.2954, 0.4590**, and **5.1886, 0.2945, 0.5802** is the 20% darker color. If you saturate the color by 10%, you get **15.5048, 0.2858, 0.5312**, and if you desaturate by 10%, it is **16.0599, 0.2855, 0.4817**.

Distribution



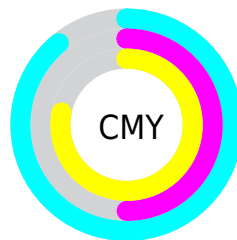
- Red (11%)
- Green (50%)
- Blue (22%)



- Red (11%)
- Yellow (41%)
- Blue (50%)



- Cyan (77%)
- Magenta (0%)
- Yellow (55%)
- Black (50%)




- Cyan (89%)
- Magenta (50%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7354, 0.2849, 0.5074 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 15.7354, 0.2849, 0.5074 by changing the saturation by 10% instead.


 15.7354, 0.2849,
0.5074


 15.7354, 0.2849,
0.5074


227.7753, 0.3059,
0.3951


 9.3371, 0.2748,
0.5470


 36.1382, 0.2953,
0.4591


 4.9617, 0.2567,
0.6068

 50.9116, 0.2983,
0.4434


 2.2248, 0.2364,
0.7636

 69.2454, 0.3004,
0.4310

 0.7335, 0.0000,
1.0000

 91.5240, 0.3021,
0.4210

 0.0000, 0.0000,
0.0000

 118.1320, 0.3034,
0.4128

 149.4536, 0.3044,

0.4059

185.8732, 0.3052,
0.4001

■ 15.7354, 0.2849,
0.5074

■ 15.7354, 0.2849,
0.5074

■ 15.5048, 0.2858,
0.5312

■ 16.0599, 0.2855,
0.4817

■ 15.3478, 0.2878,
0.5522

■ 16.4854, 0.2875,
0.4553

■ 15.3077, 0.2883,
0.5578

■ 17.0208, 0.2906,
0.4292

■ 17.6731, 0.2946,
0.4044

■ 18.4490, 0.2991,
0.3813

■ 19.3545, 0.3040,
0.3602

■ 20.3953, 0.3091,
0.3412

■ 21.5768, 0.3142,
0.3244

■ 22.9039, 0.3191,
0.3095

Harmonies

Analogous

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



15.7354, 0.3808, 0.5208



15.7354, 0.2849, 0.5074



15.7354, 0.2016, 0.4066

Triad

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



15.7354, 0.2849, 0.5074



15.7354, 0.1650, 0.1822



15.7354, 0.5018, 0.3239

Complementary

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



15.7354, 0.2849, 0.5074



6.2947, 0.3794, 0.2086

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.



15.7354, 0.4217, 0.2600



15.7354, 0.2849, 0.5074



15.7354, 0.2209, 0.1826

Square

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



15.7354, 0.2849, 0.5074



15.7354, 0.1429, 0.2141



15.7354, 0.3123, 0.2100



15.7354, 0.5142, 0.3942

Rectangle

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



15.7354, 0.2849, 0.5074



15.7354, 0.1650, 0.3251



15.7354, 0.3123, 0.2100



15.7354, 0.4816, 0.3016

Sweetspot

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



15.7360, 0.2849, 0.5074



33.5916, 0.3009, 0.3735



17.9343, 0.3725, 0.5145



7.7520, 0.2994, 0.3802



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.



15.7360, 0.2849, 0.5074



27.5384, 0.2875, 0.5483



16.4767, 0.2465, 0.3800



4.8374, 0.3081, 0.3448



15.4379, 0.2883, 0.5578



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.2947, 0.3794, 0.2086



9.7328, 0.4001, 0.2018



5.6255, 0.5139, 0.2958



4.3921, 0.3177, 0.3137



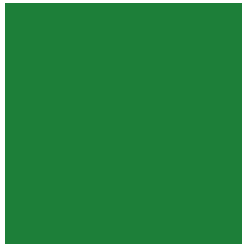
5.3079, 0.4059, 0.2010



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.7354, 0.2849, 0.5074 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 15.7354, 0.2849, 0.5074 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 15.7354, 0.2849, 0.5074

Background



This preview shows how black text looks on a background with the Yxy color 15.7354, 0.2849, 0.5074.



This preview shows how white text looks on a background with the Yxy color 15.7354, 0.2849, 0.5074.

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

15.7354, 0.2849, 0.5074

Protanopia

15.5374, 0.4034, 0.4407

Deuteranopia

15.5304, 0.4133, 0.4068



Tritanopia

15.6194, 0.2393, 0.3066

Trichromacy



Original Color

15.7354, 0.2849, 0.5074



Protanomaly

14.8318, 0.3467, 0.4702



Deuteranomaly

14.6340, 0.3524, 0.4457



Tritanomaly

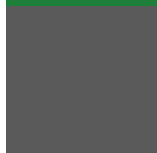
15.4792, 0.2552, 0.3750

Monochromacy



Original Color

15.7354, 0.2849, 0.5074



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

11.4795, 0.2963, 0.3950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7354, 0.2849, 0.5074 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(29, 127, 57)` looks like.

```
.text, #text, p{  
    color:rgb(29, 127, 57)  
}
```

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(29, 127, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 127, 57) }
```

Border

The CSS property to change the border of an element to Yxy 15.7354, 0.2849, 0.5074 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(29, 127, 57) }
```

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

```
.border{ border-color:rgb(29, 127, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 127, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 127, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 127, 57);  
box-shadow:4px 4px 4px 4px rgb(29, 127,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7354, 0.2849, 0.5074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 127, 57) }
```

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

```
.background{ background-color: rgb(29, 127,  
57) }
```

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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