

Converting Colors

$Y_{xy}(15.8703, 0.2858, 0.5087)$

Have a look what the booklet for
Yxy(15.8703, 0.2858, 0.5087)
contains.

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Color

Yxy(15.7502, 0.2854, 0.5071)

Conversions

Conversions Part 1

Format	Color
Hex	1E7F39
RGB	30, 127, 57
RGB Percent	12%, 50%, 22%
CMY	0.8822, 0.5020, 0.7764
CMYK	0.76, 0.00, 0.55, 0.50
HSL	137°, 62%, 31%
HSV	137°, 76%, 50%
XYZ	8.8643, 15.7502, 6.4448
YIQ	90.0170, -35.3420, -42.3340

Conversions

Conversions Part 2

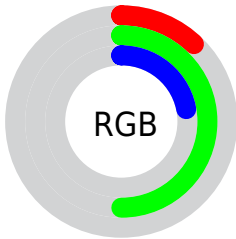
Format	Color
R_{YB}	30, 106, 127
Decimal	1998649
CIE _{Lab}	46.65, -43.28, 30.07
CIE _{LCh}	47, 52.695, 145.211
Yxy	15.7502, 0.2854, 0.5071
Android (android.graphics.Color)	4280188729 (0xFF1E7F39)
YUV	90.0170, -16.2774, -52.6349
Hunter-Lab	39.6865, -29.5818, 18.1523

Details

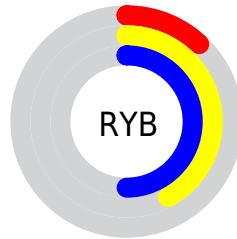
The Yxy color **15.7502, 0.2854, 0.5071** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.3633, 0.3768, 0.2082**, and the grayscale version is **10.2745, 0.3127, 0.3290**.

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 **15.5131, 0.2862, 0.5312**, and if you desaturate by 10%, it is **16.0822, 0.2861, 0.4811**.

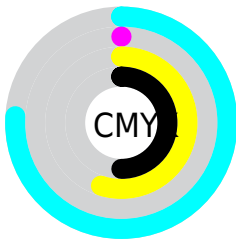
Distribution



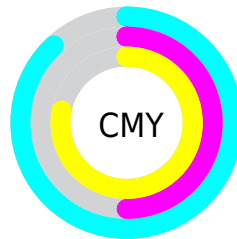
- Red (12%)
- Green (50%)
- Blue (22%)



- Red (12%)
- Yellow (42%)
- Blue (50%)



- Cyan (76%)
- Magenta (0%)
- Yellow (55%)
- Black (50%)




- Cyan (88%)
- Magenta (50%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7502, 0.2854, 0.5071 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 15.7502, 0.2854, 0.5071 by changing the saturation by 10% instead.


 15.7502, 0.2854,
0.5071

 15.7502, 0.2854,
0.5071


227.8632, 0.3061,
0.3950


 9.3476, 0.2754,
0.5466


 36.1640, 0.2957,
0.4589


 4.9686, 0.2575,
0.6062

 50.9439, 0.2986,
0.4432


 2.2288, 0.2377,
0.7623


 69.2851, 0.3007,
0.4309

 0.7356, 0.0000,
1.0000

 91.5719, 0.3024,
0.4209

 0.0000, 0.0000,
0.0000

 118.1887, 0.3036,
0.4127

 149.5199, 0.3046,

0.4059

185.9499, 0.3054,
0.4000

■ 15.7502, 0.2854,
0.5071

■ 15.7502, 0.2854,
0.5071

■ 15.5131, 0.2862,
0.5312

■ 16.0822, 0.2861,
0.4811

■ 15.3530, 0.2881,
0.5524

■ 16.5162, 0.2881,
0.4545

■ 15.3020, 0.2887,
0.5594

■ 17.0609, 0.2913,
0.4282

■ 17.7234, 0.2952,
0.4033

■ 18.5104, 0.2997,
0.3801

■ 19.4278, 0.3046,
0.3589

■ 20.4814, 0.3096,
0.3399

■ 21.6764, 0.3145,
0.3231

■ 23.0180, 0.3194,
0.3082

Harmonies

Analogous

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



15.7502, 0.3811, 0.5202



15.7502, 0.2854, 0.5071



15.7502, 0.2021, 0.4068

Triad

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



15.7502, 0.2854, 0.5071



15.7502, 0.1651, 0.1825



15.7502, 0.5011, 0.3237

Complementary

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



15.7502, 0.2854, 0.5071



6.3633, 0.3768, 0.2082

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.



15.7502, 0.4210, 0.2599



15.7502, 0.2854, 0.5071



15.7502, 0.2209, 0.1829

Square

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



15.7502, 0.2854, 0.5071



15.7502, 0.1432, 0.2146



15.7502, 0.3119, 0.2101



15.7502, 0.5138, 0.3939

Rectangle

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



15.7502, 0.2854, 0.5071



15.7502, 0.1655, 0.3256



15.7502, 0.3119, 0.2101



15.7502, 0.4808, 0.3015

Sweetspot

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



15.7508, 0.2854, 0.5071



33.5837, 0.3011, 0.3739



18.0477, 0.3744, 0.5117



7.7500, 0.2996, 0.3807



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.



15.7508, 0.2854, 0.5071



27.5515, 0.2878, 0.5480



16.4625, 0.2480, 0.3836



4.8369, 0.3082, 0.3450



15.4323, 0.2888, 0.5595



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.3633, 0.3768, 0.2082



9.8130, 0.3967, 0.2005



5.6966, 0.5064, 0.2928



4.3926, 0.3176, 0.3136



5.3239, 0.4033, 0.1996



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.7502, 0.2854, 0.5071 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 15.7502, 0.2854, 0.5071 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 15.7502, 0.2854, 0.5071

Background



This preview shows how black text looks on a background with the Yxy color 15.7502, 0.2854, 0.5071.



This preview shows how white text looks on a background with the Yxy color 15.7502, 0.2854, 0.5071.

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

15.7502, 0.2854, 0.5071

Protanopia

15.5374, 0.4034, 0.4407

Deuteranopia

15.5304, 0.4133, 0.4068



Tritanopia

15.6485, 0.2399, 0.3066

Trichromacy



Original Color

15.7502, 0.2854, 0.5071

Protanomaly

14.8810, 0.3481, 0.4695

Deuteranomaly

14.6340, 0.3524, 0.4457

Tritanomaly

15.5027, 0.2559, 0.3749

Monochromacy



Original Color

15.7502, 0.2854, 0.5071

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 15.7502, 0.2854, 0.5071 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(30, 127, 57)` looks like.

```
.text, #text, p{  
    color:rgb(30, 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(30, 127, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 127, 57) }
```

Border

The CSS property to change the border of an element to Yxy 15.7502, 0.2854, 0.5071 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(30, 127, 57) }
```

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

```
.border{ border-color:rgb(30, 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(30, 127, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 127, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 127, 57);  
box-shadow:4px 4px 4px 4px rgb(30, 127,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7502, 0.2854, 0.5071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 127, 57) }
```

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

```
.background{ background-color: rgb(30, 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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