

Converting Colors

$Y_{xy}(9.2153, 0.0834, 0.5733)$

Have a look what the booklet for
Yxy(9.2153, 0.0834, 0.5733)
contains.

Yxy(11.8837, 0.2695, 0.4903)	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(11.8837, 0.2695, 0.4903)

Conversions

Conversions Part 1

Format	Color
Hex	007039
RGB	0, 112, 57
RGB Percent	0%, 44%, 22%
CMY	1.0000, 0.5608, 0.7764
CMYK	1.00, 0.00, 0.49, 0.56
HSL	151°, 100%, 22%
HSV	151°, 100%, 44%
XYZ	6.5320, 11.8837, 5.8219
YIQ	72.2420, -49.0970, -40.8490

Conversions

Conversions Part 2

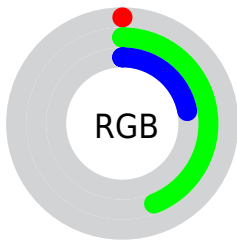
Format	Color
RYB	0, 74, 112
Decimal	28729
CIELab	41.03, -41.02, 22.98
CIELCh	41, 47.017, 150.738
Yxy	11.8837, 0.2695, 0.4903
Android (android.graphics.Color)	4278218809 (0xFF007039)
YUV	72.2420, -7.5143, -63.3562
Hunter-Lab	34.4727, -26.5044, 14.1178

Details

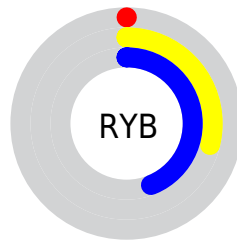
The Yxy color **11.8837, 0.2695, 0.4903** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.7208, 0.4903, 0.2475**, and the grayscale version is **6.5445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3467, 0.2835, 0.4437**, and **3.5841, 0.2887, 0.5592** is the 20% darker color. If you saturate the color by 10%, you get **11.8848, 0.2695, 0.4903**, and if you desaturate by 10%, it is **12.0152, 0.2682, 0.4726**.

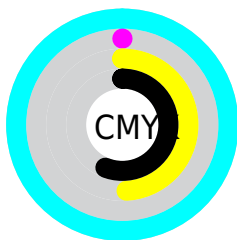
Distribution



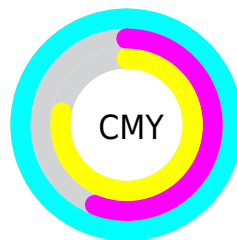
- Red (0%)
- Green (44%)
- Blue (22%)



- Red (0%)
- Yellow (29%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (56%)




- Cyan (100%)
- Magenta (56%)
- Yellow (78%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.8837, 0.2695, 0.4903 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 11.8837, 0.2695, 0.4903 by changing the saturation by 10% instead.


 11.8837, 0.2695,
0.4903


 11.8837, 0.2695,
0.4903


203.6338, 0.2995,
0.3852


 6.6645, 0.2562,
0.5311


 29.2831, 0.2837,
0.4433


 3.2532, 0.2327,
0.5969

 42.2321, 0.2879,
0.4287

 1.2653, 0.1119,
0.8881

 58.5266, 0.2910,
0.4173

 0.1141, 0.0000,
1.0000


 78.5508, 0.2935,
0.4083

 0.0000, 0.0000,
0.0000

 102.6893, 0.2954,
0.4009


 131.3264, 0.2970,


0.3948


 164.8464, 0.2984,
0.3896


 11.8837, 0.2695,
0.4903

 11.8837, 0.2695,
0.4903


 11.8848, 0.2695,
0.4903

 12.0152, 0.2682,
0.4726

 12.1819, 0.2678,
0.4545

 12.4104, 0.2692,
0.4361

 12.7073, 0.2723,
0.4180

 13.0781, 0.2769,
0.4004

■ 13.5280, 0.2828,
0.3837

■ 14.0615, 0.2895,
0.3681

■ 14.6827, 0.2969,
0.3538

■ 15.3957, 0.3047,
0.3407

Harmonies

Analogous

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



11.8837, 0.3635, 0.5207



11.8837, 0.2695, 0.4903



11.8837, 0.1925, 0.3829

Triad

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



11.8837, 0.2695, 0.4903



11.8837, 0.1749, 0.1827



11.8837, 0.5052, 0.3367

Complementary

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



11.8837, 0.2695, 0.4903



3.7208, 0.4903, 0.2475

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.



11.8837, 0.4371, 0.2721



11.8837, 0.2695, 0.4903



11.8837, 0.2365, 0.1881

Square

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



11.8837, 0.2695, 0.4903



11.8837, 0.1473, 0.2080



11.8837, 0.3315, 0.2196



11.8837, 0.5055, 0.4068

Rectangle

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



11.8837, 0.2695, 0.4903



11.8837, 0.1611, 0.3061



11.8837, 0.3315, 0.2196



11.8837, 0.4895, 0.3143

Sweetspot

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



11.8848, 0.2695, 0.4903



24.6216, 0.2889, 0.3693



12.4300, 0.3396, 0.5685



5.8387, 0.2867, 0.3743



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8848, 0.2695, 0.4903



20.8522, 0.2707, 0.4945



12.7592, 0.2247, 0.3287



3.7889, 0.3055, 0.3395



13.7339, 0.2699, 0.4915



68.2398, 0.2724, 0.5007

Inverse Universe

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



3.7208, 0.4903, 0.2475



6.5112, 0.4957, 0.2504



3.4450, 0.6401, 0.3300



3.4263, 0.3206, 0.3187



4.2965, 0.4918, 0.2483



21.2292, 0.5037, 0.2548

Previews

White Background



This preview shows how the Yxy color 11.8837, 0.2695, 0.4903 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 11.8837, 0.2695, 0.4903 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 11.8837, 0.2695, 0.4903

Background



This preview shows how black text looks on a background with the Yxy color 11.8837, 0.2695, 0.4903.



This preview shows how white text looks on a background with the Yxy color 11.8837, 0.2695, 0.4903.

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

11.8837, 0.2695, 0.4903

Protanopia

11.8615, 0.3917, 0.4287

Deuteranopia

11.7151, 0.3992, 0.3930



Tritanopia

12.0366, 0.2357, 0.3088

Trichromacy



Original Color

11.8837, 0.2695, 0.4903

Protanomaly

10.9624, 0.3236, 0.4588

Deuteranomaly

10.7058, 0.3277, 0.4331

Tritanomaly

11.7484, 0.2454, 0.3700

Monochromacy



Original Color

11.8837, 0.2695, 0.4903

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.8025, 0.2792, 0.3926

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.8837, 0.2695, 0.4903 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, 112, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 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(0, 112, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 57) }
```

Border

The CSS property to change the border of an element to Yxy 11.8837, 0.2695, 0.4903 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, 112, 57) }
```

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

```
.border{ border-color:rgb(0, 112, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 57)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.8837, 0.2695, 0.4903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 57) }
```

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

```
.background{ background-color: rgb(0, 112,  
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](#).

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