

Converting Colors

$Y_{xy}(11.9706, 0.2666, 0.4773)$

Have a look what the booklet for
Yxy(11.9706, 0.2666, 0.4773)
contains.

Yxy(11.9382, 0.2668, 0.4781)	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

$\text{Yxy}(11.9382, 0.2668, 0.4781)$

Conversions

Conversions Part 1

Format	Color
Hex	02703D
RGB	2, 112, 61
RGB Percent	1%, 44%, 24%
CMY	0.9921, 0.5608, 0.7607
CMYK	0.98, 0.00, 0.46, 0.56
HSL	152°, 96%, 22%
HSV	152°, 98%, 44%
XYZ	6.6620, 11.9382, 6.3699
YIQ	73.2960, -49.1890, -39.1810

Conversions

Conversions Part 2

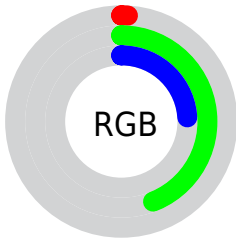
Format	Color
RYB	2, 74, 112
Decimal	159805
CIELab	41.12, -40.04, 20.84
CIElCh	41, 45.141, 152.507
Yxy	11.9382, 0.2668, 0.4781
Android (android.graphics.Color)	4278349885 (0xFF02703D)
YUV	73.2960, -6.0619, -62.5266
Hunter-Lab	34.5517, -26.0483, 13.2556

Details

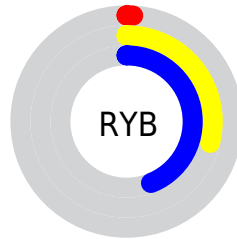
The Yxy color **11.9382, 0.2668, 0.4781** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.7460, 0.4965, 0.2531**, and the grayscale version is **6.7364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.4702, 0.2814, 0.4355**, and **3.5955, 0.2847, 0.5448** is the 20% darker color. If you saturate the color by 10%, you get **11.9156, 0.2670, 0.4812**, and if you desaturate by 10%, it is **12.0716, 0.2656, 0.4612**.

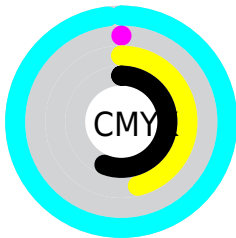
Distribution



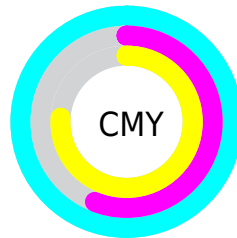
- Red (1%)
- Green (44%)
- Blue (24%)



- Red (1%)
- Yellow (29%)
- Blue (44%)



- Cyan (98%)
- Magenta (0%)
- Yellow (46%)
- Black (56%)




- Cyan (99%)
- Magenta (56%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9382, 0.2668, 0.4781 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 11.9382, 0.2668, 0.4781 by changing the saturation by 10% instead.


 11.9382, 0.2668,
0.4781


 11.9382, 0.2668,
0.4781


203.9957, 0.2979,
0.3812


 6.7016, 0.2536,
0.5156


 29.3825, 0.2812,
0.4349


 3.2762, 0.2309,
0.5765

 42.3590, 0.2855,
0.4214


 1.2776, 0.1308,
0.8692

 58.6843, 0.2888,
0.4109

 0.1237, 0.0000,
1.0000


 78.7427, 0.2914,
0.4025

 0.0000, 0.0000,
0.0000


 102.9186, 0.2935,
0.3957


 131.5965, 0.2952,


0.3900

 165.1608, 0.2967,
0.3853

 11.9382, 0.2668,
0.4781

 11.9382, 0.2668,
0.4781


 11.9156, 0.2670,
0.4812

 12.0716, 0.2656,
0.4612

 12.2481, 0.2658,
0.4440

 12.4870, 0.2677,
0.4267

 12.7947, 0.2713,
0.4097

 13.1766, 0.2764,
0.3933

■ 13.6378, 0.2827,
0.3778

■ 14.1825, 0.2898,
0.3633

■ 14.8151, 0.2976,
0.3501

■ 15.5393, 0.3058,
0.3380

Harmonies

Analogous

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



11.9382, 0.3575, 0.5134



11.9382, 0.2668, 0.4781



11.9382, 0.1937, 0.3740

Triad

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



11.9382, 0.2668, 0.4781



11.9382, 0.1820, 0.1870



11.9382, 0.4995, 0.3414

Complementary

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



11.9382, 0.2668, 0.4781



3.7460, 0.4965, 0.2531

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.



11.9382, 0.4374, 0.2779



11.9382, 0.2668, 0.4781



11.9382, 0.2441, 0.1937

Square

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



11.9382, 0.2668, 0.4781



11.9382, 0.1532, 0.2101



11.9382, 0.3372, 0.2257



11.9382, 0.4970, 0.4098

Rectangle

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



11.9382, 0.2668, 0.4781



11.9382, 0.1644, 0.3018



11.9382, 0.3372, 0.2257



11.9382, 0.4855, 0.3195

Sweetspot

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



11.9387, 0.2668, 0.4781



24.7546, 0.2886, 0.3655



12.3593, 0.3359, 0.5693



5.8682, 0.2862, 0.3703



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.



11.9387, 0.2668, 0.4781



20.9074, 0.2681, 0.4852



11.9789, 0.2224, 0.3192



3.7903, 0.3052, 0.3389



13.7703, 0.2673, 0.4823



68.4202, 0.2698, 0.4912

Inverse Universe

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



3.7460, 0.4965, 0.2531



6.4615, 0.5071, 0.2567



3.5728, 0.6302, 0.3333



3.4248, 0.3210, 0.3193



4.2636, 0.5030, 0.2544



21.0682, 0.5154, 0.2613

Previews

White Background



This preview shows how the Yxy color 11.9382, 0.2668, 0.4781 looks on a white background.

Color Contrast Check

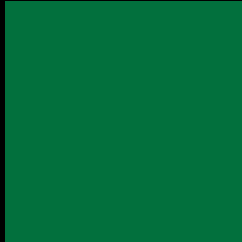
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9382, 0.2668, 0.4781 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 11.9382, 0.2668, 0.4781

Background



This preview shows how black text looks on a background with the Yxy color 11.9382, 0.2668, 0.4781.



This preview shows how white text looks on a background with the Yxy color 11.9382, 0.2668, 0.4781.

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

11.9382, 0.2668, 0.4781

Protanopia

11.8894, 0.3877, 0.4226

Deuteranopia

11.9351, 0.3922, 0.3868



Tritanopia

12.0381, 0.2342, 0.3063

Trichromacy



Original Color

11.9382, 0.2668, 0.4781



Protanomaly

11.0271, 0.3216, 0.4504



Deuteranomaly

10.9804, 0.3238, 0.4241



Tritanomaly

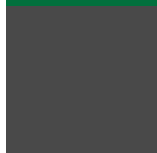
11.7844, 0.2436, 0.3643

Monochromacy



Original Color

11.9382, 0.2668, 0.4781



Achromatopsia

6.6626, 0.3127, 0.3290



Achromatomaly

7.8504, 0.2778, 0.3857

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9382, 0.2668, 0.4781 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(2, 112, 61)` looks like.

```
.text, #text, p{  
    color:rgb(2, 112, 61)  
}
```

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(2, 112, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 112, 61) }
```

Border

The CSS property to change the border of an element to Yxy 11.9382, 0.2668, 0.4781 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(2, 112, 61) }
```

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

```
.border{ border-color:rgb(2, 112, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 112, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 112, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 112, 61);  
box-shadow:4px 4px 4px 4px rgb(2, 112, 61)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.9382, 0.2668, 0.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 112, 61) }
```

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

```
.background{ background-color: rgb(2, 112,  
61) }
```

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