

Converting Colors

$Y_{xy}(10.0509, 0.1903, 0.4678)$

Have a look what the booklet for
Yxy(10.0509, 0.1903, 0.4678)
contains.

Yxy(11.3669, 0.2577, 0.4477)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(11.3669, 0.2577, 0.4477)$

Conversions

Conversions Part 1

Format	Color
Hex	006D45
RGB	0, 109, 69
RGB Percent	0%, 43%, 27%
CMY	1.0000, 0.5725, 0.7294
CMYK	1.00, 0.00, 0.37, 0.57
HSL	158°, 100%, 21%
HSV	158°, 100%, 43%
XYZ	6.5429, 11.3669, 7.4798
YIQ	71.8490, -52.1240, -35.5480

Conversions

Conversions Part 2

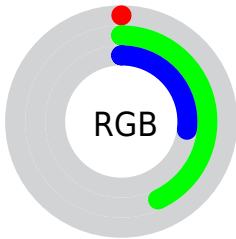
Format	Color
RYB	0, 67, 109
Decimal	27973
CIELab	40.19, -37.29, 14.97
CIELCh	40, 40.181, 158.123
Yxy	11.3669, 0.2577, 0.4477
Android (android.graphics.Color)	4278218053 (0xFF006D45)
YUV	71.8490, -1.4046, -63.0116
Hunter-Lab	33.7148, -24.3603, 10.4467

Details

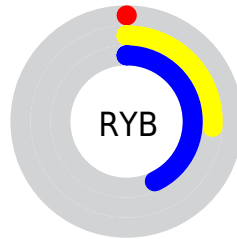
The Yxy color **11.3669, 0.2577, 0.4477** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.4047, 0.5392, 0.2744**, and the grayscale version is **6.4630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1518, 0.2737, 0.4136**, and **3.3019, 0.2732, 0.5037** is the 20% darker color. If you saturate the color by 10%, you get **11.3673, 0.2577, 0.4477**, and if you desaturate by 10%, it is **11.4892, 0.2573, 0.4342**.

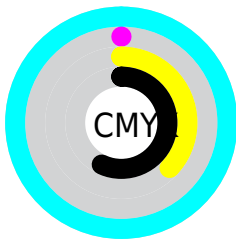
Distribution



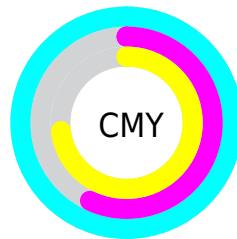
- Red (0%)
- Green (43%)
- Blue (27%)



- Red (0%)
- Yellow (26%)
- Blue (43%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (57%)




- Cyan (100%)
- Magenta (57%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3669, 0.2577, 0.4477 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 11.3669, 0.2577, 0.4477 by changing the saturation by 10% instead.


 11.3669, 0.2577,
0.4477


 11.3669, 0.2577,
0.4477


200.1677, 0.2934,
0.3707


 6.3142, 0.2438,
0.4777


 28.3367, 0.2737,
0.4133


 3.0371, 0.2208,
0.5272

 41.0225, 0.2786,
0.4026


 1.1511, 0.1085,
0.7700

 57.0215, 0.2825,
0.3943

 0.0212, 0.0000,
1.0000


 76.7180, 0.2856,
0.3877


 0.0000, 0.0000,
0.0000

 100.4965, 0.2881,
0.3823


 128.7414, 0.2901,


0.3777

 161.8370, 0.2919,
0.3739

 11.3669, 0.2577,
0.4477


 11.3669, 0.2577,
0.4477

 11.3673, 0.2577,
0.4477

 11.4892, 0.2573,
0.4342

 11.6419, 0.2579,
0.4207

 11.8503, 0.2602,
0.4073

 12.1204, 0.2644,
0.3941

 12.4574, 0.2700,
0.3813

■ 12.8658, 0.2770,
0.3692

■ 13.3500, 0.2850,
0.3578

■ 13.9136, 0.2938,
0.3473

■ 14.5604, 0.3031,
0.3377

Harmonies

Analogous

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



11.3669, 0.3402, 0.4950



11.3669, 0.2577, 0.4477



11.3669, 0.1949, 0.3513

Triad

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



11.3669, 0.2577, 0.4477



11.3669, 0.2008, 0.1970



11.3669, 0.4867, 0.3544

Complementary

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



11.3669, 0.2577, 0.4477



3.4047, 0.5392, 0.2744

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.



11.3669, 0.4401, 0.2934



11.3669, 0.2577, 0.4477



11.3669, 0.2646, 0.2077

Square

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



11.3669, 0.2577, 0.4477



11.3669, 0.1678, 0.2138



11.3669, 0.3531, 0.2418



11.3669, 0.4758, 0.4182

Rectangle

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



11.3669, 0.2577, 0.4477



11.3669, 0.1713, 0.2897



11.3669, 0.3531, 0.2418



11.3669, 0.4774, 0.3335

Sweetspot

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



11.3674, 0.2577, 0.4477



23.8263, 0.2843, 0.3587



11.4254, 0.3255, 0.5797



5.4788, 0.2817, 0.3622



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.3674, 0.2577, 0.4477



20.3299, 0.2587, 0.4512



9.5222, 0.2149, 0.2936



3.4740, 0.3041, 0.3368



13.2904, 0.2580, 0.4487



67.5492, 0.2601, 0.4562

Inverse Universe

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



3.4047, 0.5392, 0.2744



6.0734, 0.5460, 0.2781



3.5322, 0.6246, 0.3422



3.1334, 0.3222, 0.3214



3.9775, 0.5412, 0.2755



20.1119, 0.5555, 0.2834

Previews

White Background



This preview shows how the Yxy color 11.3669, 0.2577, 0.4477 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 11.3669, 0.2577, 0.4477 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 11.3669, 0.2577, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 11.3669, 0.2577, 0.4477.



This preview shows how white text looks on a background with the Yxy color 11.3669, 0.2577, 0.4477.

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

11.3669, 0.2577, 0.4477

Protanopia

11.4269, 0.3732, 0.4029

Deuteranopia

11.3427, 0.3742, 0.3691



Tritanopia

11.5018, 0.2335, 0.3083

Trichromacy



Original Color

11.3669, 0.2577, 0.4477

Protanomaly

10.6542, 0.3096, 0.4251

Deuteranomaly

10.5428, 0.3080, 0.3991

Tritanomaly

11.3593, 0.2405, 0.3563

Monochromacy



Original Color

11.3669, 0.2577, 0.4477

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.5328, 0.2733, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3669, 0.2577, 0.4477 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, 109, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 69)  
}
```

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, 109, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 69) }
```

Border

The CSS property to change the border of an element to Yxy 11.3669, 0.2577, 0.4477 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, 109, 69) }
```

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

```
.border{ border-color:rgb(0, 109, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 109, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.3669, 0.2577, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 69) }
```

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

```
.background{ background-color: rgb(0, 109,  
69) }
```

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