

Converting Colors

$Y_{xy}(11.8833, 0.2484, 0.4914)$

Have a look what the booklet for
Yxy(11.8833, 0.2484, 0.4914)
contains.

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Color

Yxy(12.3609, 0.2680, 0.4848)

Conversions

Conversions Part 1

Format	Color
Hex	00723C
RGB	0, 114, 60
RGB Percent	0%, 45%, 24%
CMY	1.0000, 0.5529, 0.7646
CMYK	1.00, 0.00, 0.47, 0.55
HSL	152°, 100%, 22%
HSV	152°, 100%, 45%
XYZ	6.8332, 12.3609, 6.3028
YIQ	73.7580, -50.6100, -40.9620

Conversions

Conversions Part 2

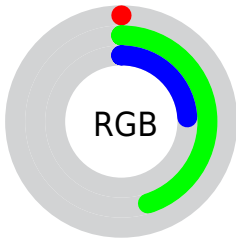
Format	Color
RYB	0, 75, 114
Decimal	29244
CIELab	41.78, -41.16, 22.26
CIELCh	42, 46.798, 151.596
Yxy	12.3609, 0.2680, 0.4848
Android (android.graphics.Color)	4278219324 (0xFF00723C)
YUV	73.7580, -6.7827, -64.6858
Hunter-Lab	35.1581, -26.8341, 13.9817

Details

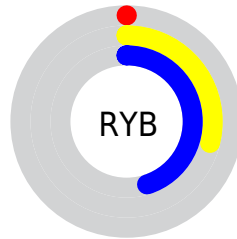
The Yxy color **12.3609, 0.2680, 0.4848** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8437, 0.4978, 0.2516**, and the grayscale version is **6.8222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1760, 0.2824, 0.4404**, and **3.7042, 0.2861, 0.5500** is the 20% darker color. If you saturate the color by 10%, you get **12.3614, 0.2680, 0.4848**, and if you desaturate by 10%, it is **12.4954, 0.2667, 0.4676**.

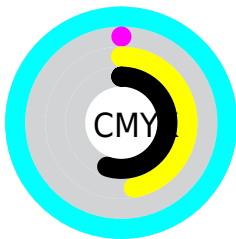
Distribution



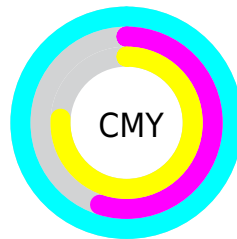
- Red (0%)
- Green (45%)
- Blue (24%)



- Red (0%)
- Yellow (29%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (55%)




- Cyan (100%)
- Magenta (55%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.3609, 0.2680, 0.4848 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 12.3609, 0.2680, 0.4848 by changing the saturation by 10% instead.


 12.3609, 0.2680,
0.4848


 12.3609, 0.2680,
0.4848


206.7801, 0.2985,
0.3838


 6.9900, 0.2549,
0.5235


 30.1507, 0.2822,
0.4399


 3.4558, 0.2323,
0.5858

 43.3384, 0.2865,
0.4258


 1.3741, 0.1461,
0.8539

 59.9005, 0.2897,
0.4149

 0.1975, 0.0000,
1.0000

 80.2213, 0.2923,
0.4062


 0.0000, 0.0000,
0.0000


 104.6853, 0.2943,
0.3990


 133.6768, 0.2960,


0.3931

 167.5803, 0.2974,
0.3881


 12.3609, 0.2680,
0.4848


 12.3609, 0.2680,
0.4848


 12.3614, 0.2680,
0.4848

 12.4954, 0.2667,
0.4676

 12.6674, 0.2664,
0.4501

 12.9033, 0.2679,
0.4324

 13.2099, 0.2711,
0.4148

 13.5932, 0.2759,
0.3979

■ 14.0583, 0.2819,
0.3818

■ 14.6100, 0.2888,
0.3668

■ 15.2528, 0.2964,
0.3529

■ 15.9907, 0.3045,
0.3403

Harmonies

Analogous

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



12.3609, 0.3606, 0.5177



12.3609, 0.2680, 0.4848



12.3609, 0.1928, 0.3786

Triad

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



12.3609, 0.2680, 0.4848



12.3609, 0.1781, 0.1845



12.3609, 0.5029, 0.3390

Complementary

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



12.3609, 0.2680, 0.4848



3.8437, 0.4978, 0.2516

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.



12.3609, 0.4377, 0.2748



12.3609, 0.2680, 0.4848



12.3609, 0.2400, 0.1905

Square

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



12.3609, 0.2680, 0.4848



12.3609, 0.1498, 0.2087



12.3609, 0.3344, 0.2223



12.3609, 0.5018, 0.4084

Rectangle

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



12.3609, 0.2680, 0.4848



12.3609, 0.1623, 0.3038



12.3609, 0.3344, 0.2223



12.3609, 0.4881, 0.3168

Sweetspot

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



12.3614, 0.2680, 0.4848



25.5929, 0.2882, 0.3679



12.8501, 0.3373, 0.5704



5.8437, 0.2859, 0.3726



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.



12.3614, 0.2680, 0.4848



21.6965, 0.2691, 0.4889



12.8257, 0.2233, 0.3239



3.7898, 0.3053, 0.3391



13.7568, 0.2682, 0.4856



68.3534, 0.2707, 0.4947

Inverse Universe

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



3.8437, 0.4978, 0.2516



6.7292, 0.5033, 0.2546



3.6188, 0.6379, 0.3317



3.4254, 0.3208, 0.3191



4.2753, 0.4989, 0.2522



21.1253, 0.5112, 0.2590

Previews

White Background



This preview shows how the Yxy color 12.3609, 0.2680, 0.4848 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 12.3609, 0.2680, 0.4848 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 12.3609, 0.2680, 0.4848

Background



This preview shows how black text looks on a background with the Yxy color 12.3609, 0.2680, 0.4848.



This preview shows how white text looks on a background with the Yxy color 12.3609, 0.2680, 0.4848.

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

12.3609, 0.2680, 0.4848

Protanopia

12.1899, 0.3914, 0.4253

Deuteranopia

12.2386, 0.3961, 0.3901



Tritanopia

12.4997, 0.2352, 0.3091

Trichromacy



Original Color

12.3609, 0.2680, 0.4848



Protanomaly

11.4514, 0.3235, 0.4563



Deuteranomaly

11.1621, 0.3248, 0.4289



Tritanomaly

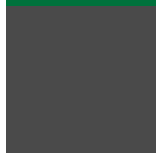
12.2294, 0.2439, 0.3665

Monochromacy



Original Color

12.3609, 0.2680, 0.4848



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

8.1788, 0.2784, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3609, 0.2680, 0.4848 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, 114, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 60)  
}
```

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, 114, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 60) }
```

Border

The CSS property to change the border of an element to Yxy 12.3609, 0.2680, 0.4848 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, 114, 60) }
```

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

```
.border{ border-color:rgb(0, 114, 60) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 114, 60)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.3609, 0.2680, 0.4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 60) }
```

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

```
.background{ background-color: rgb(0, 114,  
60) }
```

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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