

Converting Colors

$Yxy(10.6503, 0.1809, 0.4594)$

Have a look what the booklet for
Yxy(10.6503, 0.1809, 0.4594)
contains.

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Color

Yxy(12.0828, 0.2552, 0.4385)

Conversions

Conversions Part 1

Format	Color
Hex	00704A
RGB	0, 112, 74
RGB Percent	0%, 44%, 29%
CMY	0.9992, 0.5608, 0.7098
CMYK	1.00, 0.00, 0.34, 0.56
HSL	160°, 100%, 22%
HSV	160°, 100%, 44%
XYZ	7.0320, 12.0828, 8.4400
YIQ	74.1800, -54.5540, -35.5620

Conversions

Conversions Part 2

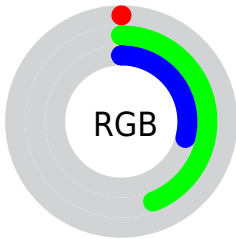
Format	Color
RYB	0, 67, 112
Decimal	28746
CIELab	41.35, -37.29, 13.60
CIELCh	41, 39.688, 159.961
Yxy	12.0828, 0.2552, 0.4385
Android (android.graphics.Color)	4278218826 (0xFF00704A)
YUV	74.1800, -0.0887, -65.0559
Hunter-Lab	34.7603, -24.7201, 9.9362

Details

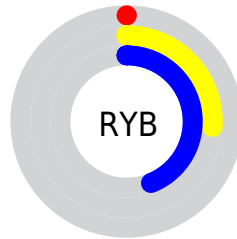
The Yxy color **12.0828, 0.2552, 0.4385** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.5900, 0.5498, 0.2805**, and the grayscale version is **6.8997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7568, 0.2710, 0.4078**, and **3.6488, 0.2687, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **12.0811, 0.2552, 0.4387**, and if you desaturate by 10%, it is **12.2088, 0.2549, 0.4260**.

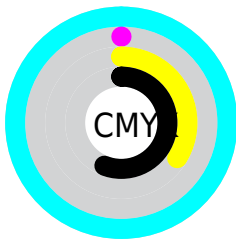
Distribution



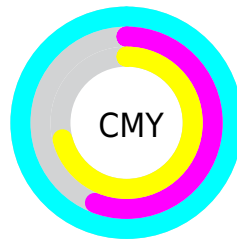
- Red (0%)
- Green (44%)
- Blue (29%)



- Red (0%)
- Yellow (26%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.0828, 0.2552, 0.4385 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 12.0828, 0.2552, 0.4385 by changing the saturation by 10% instead.


 12.0828, 0.2552,
0.4385


 12.0828, 0.2552,
0.4385


204.9527, 0.2919,
0.3682


 6.8001, 0.2414,
0.4653


 29.6458, 0.2713,
0.4074


 3.3374, 0.2194,
0.5087

 42.6949, 0.2764,
0.3976

 1.3103, 0.1411,
0.6515

 59.1016, 0.2804,
0.3900

 0.1492, 0.0000,
1.0000

 79.2503, 0.2836,
0.3839


 0.0000, 0.0000,
0.0000


 103.5253, 0.2862,
0.3789


 132.3111, 0.2884,


0.3748


 165.9921, 0.2903,
0.3712


 12.0828, 0.2552,
0.4385


 12.0828, 0.2552,
0.4385


 12.0811, 0.2552,
0.4387

 12.2088, 0.2549,
0.4260

 12.3683, 0.2557,
0.4136

 12.5868, 0.2583,
0.4012

 12.8705, 0.2626,
0.3890

 13.2249, 0.2685,
0.3772

■ 13.6550, 0.2757,
0.3660

■ 14.1652, 0.2840,
0.3556

■ 14.7596, 0.2932,
0.3458

■ 15.4422, 0.3029,
0.3369

Harmonies

Analogous

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



12.0828, 0.3350, 0.4885



12.0828, 0.2552, 0.4385



12.0828, 0.1956, 0.3450

Triad

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



12.0828, 0.2552, 0.4385



12.0828, 0.2068, 0.2004



12.0828, 0.4823, 0.3582

Complementary

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



12.0828, 0.2552, 0.4385



3.5900, 0.5498, 0.2805

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.



12.0828, 0.4402, 0.2982



12.0828, 0.2552, 0.4385



12.0828, 0.2709, 0.2123

Square

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



12.0828, 0.2552, 0.4385



12.0828, 0.1727, 0.2153



12.0828, 0.3576, 0.2468



12.0828, 0.4691, 0.4203

Rectangle

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



12.0828, 0.2552, 0.4385



12.0828, 0.1738, 0.2865



12.0828, 0.3576, 0.2468



12.0828, 0.4744, 0.3377

Sweetspot

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



12.0833, 0.2552, 0.4385



24.7938, 0.2832, 0.3565



12.0258, 0.3218, 0.5825



5.8836, 0.2804, 0.3599



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.



12.0833, 0.2552, 0.4385



21.2016, 0.2561, 0.4418



9.3964, 0.2120, 0.2830



3.7968, 0.3037, 0.3362



13.9631, 0.2554, 0.4396



69.3904, 0.2573, 0.4463

Inverse Universe

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



3.5900, 0.5498, 0.2805



6.2767, 0.5568, 0.2841



3.8448, 0.6194, 0.3460



3.4185, 0.3227, 0.3219



4.1406, 0.5522, 0.2816



20.4790, 0.5661, 0.2892

Previews

White Background



This preview shows how the Yxy color 12.0828, 0.2552, 0.4385 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 12.0828, 0.2552, 0.4385 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 12.0828, 0.2552, 0.4385

Background



This preview shows how black text looks on a background with the Yxy color 12.0828, 0.2552, 0.4385.



This preview shows how white text looks on a background with the Yxy color 12.0828, 0.2552, 0.4385.

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

12.0828, 0.2552, 0.4385

Protanopia

11.9700, 0.3677, 0.3950

Deuteranopia

12.0662, 0.3677, 0.3640



Tritanopia

12.2077, 0.2321, 0.3064

Trichromacy



Original Color

12.0828, 0.2552, 0.4385

Protanomaly

11.1382, 0.3046, 0.4152

Deuteranomaly

11.2209, 0.3028, 0.3921

Tritanomaly

12.0835, 0.2381, 0.3501

Monochromacy



Original Color

12.0828, 0.2552, 0.4385

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

8.0782, 0.2718, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0828, 0.2552, 0.4385 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, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 74)  
}
```

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, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 74) }
```

Border

The CSS property to change the border of an element to Yxy 12.0828, 0.2552, 0.4385 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, 74) }
```

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

```
.border{ border-color:rgb(0, 112, 74) }
```

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, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 74)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.0828, 0.2552, 0.4385 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, 74) }
```

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

```
.background{ background-color: rgb(0, 112,  
74) }
```

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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