

Converting Colors

$Y_{xy}(12.8987, 0.2499, 0.4262)$

Have a look what the booklet for
Yxy(12.8987, 0.2499, 0.4262)
contains.

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Color

$Y_{xy}(12.8555, 0.2511, 0.4238)$

Conversions

Conversions Part 1

Format	Color
Hex	007351
RGB	0, 115, 81
RGB Percent	0%, 45%, 32%
CMY	0.9994, 0.5490, 0.6824
CMYK	1.00, 0.00, 0.30, 0.55
HSL	162°, 100%, 23%
HSV	162°, 100%, 45%
XYZ	7.6168, 12.8555, 9.8615
YIQ	76.7390, -57.6260, -34.9540

Conversions

Conversions Part 2

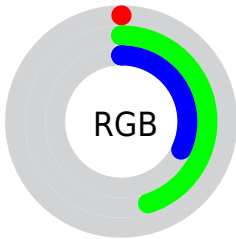
Format	Color
RYB	0, 67, 115
Decimal	29521
CIELab	42.54, -36.78, 11.12
CIELCh	43, 38.426, 163.175
Yxy	12.8555, 0.2511, 0.4238
Android (android.graphics.Color)	4278219601 (0xFF007351)
YUV	76.7390, 2.1007, -67.3001
Hunter-Lab	35.8546, -24.8255, 8.7909

Details

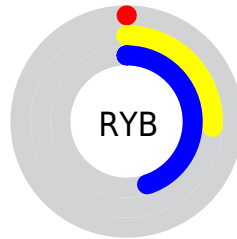
The Yxy color **12.8555, 0.2511, 0.4238** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.7645, 0.5667, 0.2898**, and the grayscale version is **7.3830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1128, 0.2681, 0.3985**, and **4.0238, 0.2631, 0.4670** is the 20% darker color. If you saturate the color by 10%, you get **12.8543, 0.2511, 0.4239**, and if you desaturate by 10%, it is **12.9831, 0.2511, 0.4130**.

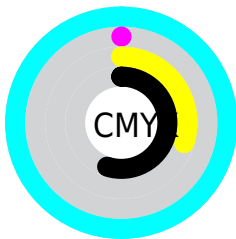
Distribution



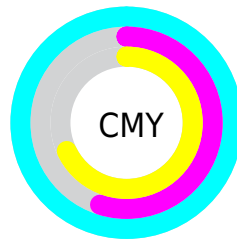
- Red (0%)
- Green (45%)
- Blue (32%)



- Red (0%)
- Yellow (26%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8555, 0.2511, 0.4238 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 12.8555, 0.2511, 0.4238 by changing the saturation by 10% instead.


 12.8555, 0.2511,
0.4238


 12.8555, 0.2511,
0.4238


209.9895, 0.2895,
0.3638


 7.3291, 0.2374,
0.4460


 31.0439, 0.2676,
0.3976


 3.6688, 0.2160,
0.4814

 44.4748, 0.2730,
0.3892


 1.4901, 0.1595,
0.5630

 61.3092, 0.2772,
0.3827

 0.2817, 0.0000,
1.0000


 81.9317, 0.2806,
0.3774


 0.0000, 0.0000,
0.0000


 106.7266, 0.2834,
0.3731

 136.0782, 0.2858,


0.3695

 170.3711, 0.2878,
0.3664


 12.8555, 0.2511,
0.4238

 12.8555, 0.2511,
0.4238


 12.8543, 0.2511,
0.4239

 12.9831, 0.2511,
0.4130

 13.1464, 0.2522,
0.4023

 13.3713, 0.2551,
0.3916

 13.6647, 0.2597,
0.3811

 14.0325, 0.2659,
0.3709

■ 14.4798, 0.2736,
0.3613

■ 15.0116, 0.2823,
0.3522

■ 15.6320, 0.2920,
0.3437

■ 16.3453, 0.3022,
0.3360

Harmonies

Analogous

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



12.8555, 0.3263, 0.4776



12.8555, 0.2511, 0.4238



12.8555, 0.1968, 0.3350

Triad

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



12.8555, 0.2511, 0.4238



12.8555, 0.2168, 0.2059



12.8555, 0.4751, 0.3644

Complementary

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



12.8555, 0.2511, 0.4238



3.7645, 0.5667, 0.2898

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.



12.8555, 0.4403, 0.3060



12.8555, 0.2511, 0.4238



12.8555, 0.2812, 0.2198

Square

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



12.8555, 0.2511, 0.4238



12.8555, 0.1807, 0.2176



12.8555, 0.3647, 0.2551



12.8555, 0.4581, 0.4235

Rectangle

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



12.8555, 0.2511, 0.4238



12.8555, 0.1777, 0.2815



12.8555, 0.3647, 0.2551



12.8555, 0.4693, 0.3445

Sweetspot

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



12.8560, 0.2511, 0.4238



26.7875, 0.2815, 0.3530



12.6120, 0.3168, 0.5865



6.3116, 0.2785, 0.3560



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



12.8560, 0.2511, 0.4238



22.9950, 0.2518, 0.4266



8.8982, 0.2074, 0.2664



4.1377, 0.3031, 0.3354



14.6918, 0.2513, 0.4246



71.4393, 0.2529, 0.4303

Inverse Universe

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



3.7645, 0.5667, 0.2898



6.7129, 0.5737, 0.2934



4.2628, 0.6109, 0.3529



3.7171, 0.3234, 0.3227



4.2957, 0.5688, 0.2907



20.8001, 0.5822, 0.2981

Previews

White Background



This preview shows how the Yxy color 12.8555, 0.2511, 0.4238 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 12.8555, 0.2511, 0.4238 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 12.8555, 0.2511, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 12.8555, 0.2511, 0.4238.



This preview shows how white text looks on a background with the Yxy color 12.8555, 0.2511, 0.4238.

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

12.8555, 0.2511, 0.4238

Protanopia

12.7969, 0.3619, 0.3867

Deuteranopia

12.6665, 0.3589, 0.3526



Tritanopia

12.9151, 0.2315, 0.3068

Trichromacy



Original Color

12.8555, 0.2511, 0.4238

Protanomaly

11.9042, 0.2988, 0.4021

Deuteranomaly

11.7571, 0.2955, 0.3777

Tritanomaly

12.8149, 0.2368, 0.3469

Monochromacy



Original Color

12.8555, 0.2511, 0.4238

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.6852, 0.2703, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8555, 0.2511, 0.4238 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, 115, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 81)  
}
```

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, 115, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 81) }
```

Border

The CSS property to change the border of an element to Yxy 12.8555, 0.2511, 0.4238 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, 115, 81) }
```

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

```
.border{ border-color:rgb(0, 115, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 81)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.8555, 0.2511, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 81) }
```

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

```
.background{ background-color: rgb(0, 115,  
81) }
```

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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