

Converting Colors

$Y_{xy}(9.4653, 0.0385, 0.4738)$

Have a look what the booklet for
Yxy(9.4653, 0.0385, 0.4738)
contains.

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Color

Yxy(13.1000, 0.2508, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	007452
RGB	0, 116, 82
RGB Percent	0%, 45%, 32%
CMY	1.0000, 0.5451, 0.6784
CMYK	1.00, 0.00, 0.29, 0.55
HSL	162°, 100%, 23%
HSV	162°, 100%, 45%
XYZ	7.7671, 13.1000, 10.1022
YIQ	77.4400, -58.2220, -35.1660

Conversions

Conversions Part 2

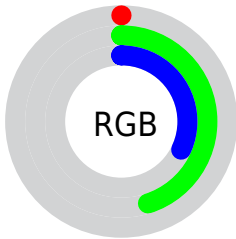
Format	Color
RYB	0, 68, 116
Decimal	29778
CIELab	42.91, -36.96, 11.03
CIELCh	43, 38.574, 163.379
Yxy	13.1000, 0.2508, 0.4230
Android (android.graphics.Color)	4278219858 (0xFF007452)
YUV	77.4400, 2.2481, -67.9149
Hunter-Lab	36.1939, -25.0339, 8.7872

Details

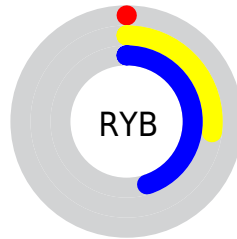
The Yxy color **13.1000, 0.2508, 0.4230** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **3.8289, 0.5685, 0.2905**, and the grayscale version is **7.5124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5105, 0.2677, 0.3982**, and **4.1479, 0.2626, 0.4652** is the 20% darker color. If you saturate the color by 10%, you get **13.1014, 0.2508, 0.4230**, and if you desaturate by 10%, it is **13.2298, 0.2508, 0.4123**.

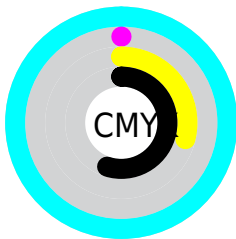
Distribution



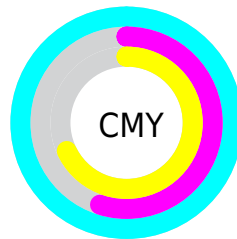
- Red (0%)
- Green (45%)
- Blue (32%)



- Red (0%)
- Yellow (27%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (55%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1000, 0.2508, 0.4230 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 13.1000, 0.2508, 0.4230 by changing the saturation by 10% instead.


 13.1000, 0.2508,
0.4230


 13.1000, 0.2508,
0.4230


211.5576, 0.2893,
0.3636


 7.4974, 0.2371,
0.4448


 31.4833, 0.2673,
0.3972


 3.7751, 0.2160,
0.4795

 45.0329, 0.2727,
0.3889


 1.5486, 0.1636,
0.5550

 62.0002, 0.2769,
0.3824

 0.3225, 0.0000,
1.0000


 82.7697, 0.2803,
0.3772


 0.0000, 0.0000,
0.0000


 107.7258, 0.2832,
0.3729


 137.2529, 0.2855,


0.3693

 171.7354, 0.2876,
0.3663

 13.1000, 0.2508,
0.4230


 13.1000, 0.2508,
0.4230


 13.1014, 0.2508,
0.4230

 13.2298, 0.2508,
0.4123

 13.3947, 0.2519,
0.4017

 13.6223, 0.2548,
0.3911

 13.9197, 0.2594,
0.3807

 14.2927, 0.2656,
0.3707

■ 14.7469, 0.2733,
0.3611

■ 15.2871, 0.2821,
0.3520

■ 15.9177, 0.2917,
0.3437

■ 16.6429, 0.3020,
0.3360

Harmonies

Analogous

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



13.1000, 0.3258, 0.4771



13.1000, 0.2508, 0.4230



13.1000, 0.1967, 0.3344

Triad

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



13.1000, 0.2508, 0.4230



13.1000, 0.2173, 0.2062



13.1000, 0.4748, 0.3648

Complementary

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



13.1000, 0.2508, 0.4230



3.8289, 0.5685, 0.2905

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.



13.1000, 0.4404, 0.3064



13.1000, 0.2508, 0.4230



13.1000, 0.2818, 0.2202

Square

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



13.1000, 0.2508, 0.4230



13.1000, 0.1811, 0.2177



13.1000, 0.3652, 0.2556



13.1000, 0.4575, 0.4237

Rectangle

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



13.1000, 0.2508, 0.4230



13.1000, 0.1779, 0.2812



13.1000, 0.3652, 0.2556



13.1000, 0.4691, 0.3449

Sweetspot

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



13.1014, 0.2508, 0.4230



26.7914, 0.2814, 0.3527



12.8460, 0.3167, 0.5868



6.3126, 0.2783, 0.3557



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.



13.1014, 0.2508, 0.4230



23.0045, 0.2515, 0.4256



9.0556, 0.2073, 0.2663



4.1379, 0.3030, 0.3353



14.6978, 0.2510, 0.4236



71.4695, 0.2526, 0.4292

Inverse Universe

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



3.8289, 0.5685, 0.2905



6.7094, 0.5747, 0.2940



4.3342, 0.6114, 0.3527



3.7169, 0.3234, 0.3228



4.2935, 0.5699, 0.2913



20.7899, 0.5832, 0.2987

Previews

White Background



This preview shows how the Yxy color 13.1000, 0.2508, 0.4230 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 13.1000, 0.2508, 0.4230 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 13.1000, 0.2508, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 13.1000, 0.2508, 0.4230.



This preview shows how white text looks on a background with the Yxy color 13.1000, 0.2508, 0.4230.

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

13.1000, 0.2508, 0.4230

Protanopia

13.0035, 0.3599, 0.3866

Deuteranopia

12.9343, 0.3585, 0.3524



Tritanopia

13.1563, 0.2313, 0.3070

Trichromacy



Original Color

13.1000, 0.2508, 0.4230

Protanomaly

12.1233, 0.2977, 0.4017

Deuteranomaly

12.0124, 0.2956, 0.3772

Tritanomaly

13.0575, 0.2366, 0.3468

Monochromacy



Original Color

13.1000, 0.2508, 0.4230

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.6997, 0.2691, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1000, 0.2508, 0.4230 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, 116, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 82)  
}
```

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, 116, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 82) }
```

Border

The CSS property to change the border of an element to Yxy 13.1000, 0.2508, 0.4230 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, 116, 82) }
```

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

```
.border{ border-color:rgb(0, 116, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 82)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.1000, 0.2508, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 82) }
```

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

```
.background{ background-color: rgb(0, 116,  
82) }
```

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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