

Converting Colors

$Y_{xy}(13.9790, 0.2546, 0.4365)$

Have a look what the booklet for
Yxy(13.9790, 0.2546, 0.4365)
contains.

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Color

Yxy(14.0121, 0.2548, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	007850
RGB	0, 120, 80
RGB Percent	0%, 47%, 31%
CMY	1.0000, 0.5294, 0.6862
CMYK	1.00, 0.00, 0.33, 0.53
HSL	160°, 100%, 24%
HSV	160°, 100%, 47%
XYZ	8.1644, 14.0121, 9.8658
YIQ	79.5600, -58.6800, -37.8800

Conversions

Conversions Part 2

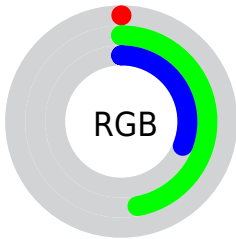
Format	Color
RYB	0, 72, 120
Decimal	30800
CIELab	44.25, -39.09, 14.05
CIELCh	44, 41.535, 160.229
Yxy	14.0121, 0.2548, 0.4373
Android (android.graphics.Color)	4278220880 (0xFF007850)
YUV	79.5600, 0.2169, -69.7741
Hunter-Lab	37.4327, -26.5750, 10.5764

Details

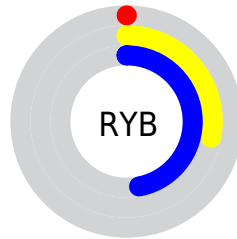
The Yxy color **14.0121, 0.2548, 0.4373** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.1464, 0.5547, 0.2830**, and the grayscale version is **7.9409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0086, 0.2706, 0.4081**, and **4.5017, 0.2675, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **14.0129, 0.2548, 0.4373**, and if you desaturate by 10%, it is **14.1519, 0.2544, 0.4250**.

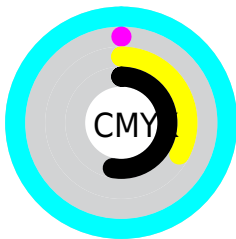
Distribution



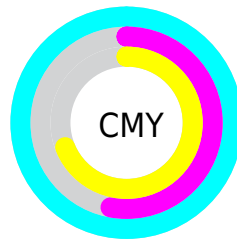
- Red (0%)
- Green (47%)
- Blue (31%)



- Red (0%)
- Yellow (28%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0121, 0.2548, 0.4373 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 14.0121, 0.2548, 0.4373 by changing the saturation by 10% instead.


 14.0121, 0.2548,
0.4373


 14.0121, 0.2548,
0.4373


217.3061, 0.2910,
0.3690

 8.1291, 0.2418,
0.4622


 33.1105, 0.2704,
0.4077


 4.1777, 0.2216,
0.5014

 47.0947, 0.2754,
0.3982


 1.7734, 0.1785,
0.5807

 64.5480, 0.2794,
0.3907

 0.4705, 0.0000,
1.0000


 85.8549, 0.2826,
0.3847


 0.0000, 0.0000,
0.0000


 111.3998, 0.2853,
0.3797


 141.5670, 0.2875,


0.3756

 176.7410, 0.2894,
0.3721


 14.0121, 0.2548,
0.4373

 14.0121, 0.2548,
0.4373


 14.0129, 0.2548,
0.4373

 14.1519, 0.2544,
0.4250

 14.3324, 0.2550,
0.4128

 14.5815, 0.2576,
0.4005

 14.9066, 0.2619,
0.3885

 15.3144, 0.2678,
0.3769

■ 15.8109, 0.2750,
0.3658

■ 16.4012, 0.2834,
0.3554

■ 17.0903, 0.2927,
0.3458

■ 17.8828, 0.3025,
0.3370

Harmonies

Analogous

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



14.0121, 0.3342, 0.4877



14.0121, 0.2548, 0.4373



14.0121, 0.1957, 0.3441

Triad

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



14.0121, 0.2548, 0.4373



14.0121, 0.2076, 0.2008



14.0121, 0.4818, 0.3588

Complementary

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



14.0121, 0.2548, 0.4373



4.1464, 0.5547, 0.2830

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.



14.0121, 0.4403, 0.2988



14.0121, 0.2548, 0.4373



14.0121, 0.2717, 0.2129

Square

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



14.0121, 0.2548, 0.4373



14.0121, 0.1733, 0.2154



14.0121, 0.3582, 0.2475



14.0121, 0.4682, 0.4206

Rectangle

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



14.0121, 0.2548, 0.4373



14.0121, 0.1740, 0.2860



14.0121, 0.3582, 0.2475



14.0121, 0.4741, 0.3383

Sweetspot

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



14.0129, 0.2548, 0.4373



28.7635, 0.2828, 0.3562



13.8846, 0.3196, 0.5845



6.7292, 0.2798, 0.3596



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



14.0129, 0.2548, 0.4373



24.6198, 0.2556, 0.4401



10.4708, 0.2103, 0.2771



4.4908, 0.3034, 0.3362



15.2839, 0.2549, 0.4378



72.7430, 0.2567, 0.4440

Inverse Universe

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



4.1464, 0.5547, 0.2830



7.2696, 0.5608, 0.2863



4.4936, 0.6182, 0.3474



4.0350, 0.3230, 0.3219



4.5208, 0.5558, 0.2835



21.4217, 0.5689, 0.2908

Previews

White Background



This preview shows how the Yxy color 14.0121, 0.2548, 0.4373 looks on a white background.

Color Contrast Check

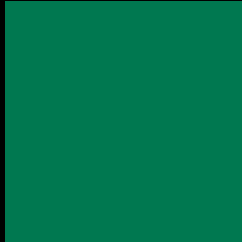
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.0121, 0.2548, 0.4373 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 14.0121, 0.2548, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 14.0121, 0.2548, 0.4373.



This preview shows how white text looks on a background with the Yxy color 14.0121, 0.2548, 0.4373.

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

14.0121, 0.2548, 0.4373

Protanopia

13.8924, 0.3687, 0.3952

Deuteranopia

13.8194, 0.3678, 0.3620



Tritanopia

14.2089, 0.2322, 0.3077

Trichromacy



Original Color

14.0121, 0.2548, 0.4373

Protanomaly

13.0514, 0.3037, 0.4149

Deuteranomaly

12.7177, 0.3020, 0.3887

Tritanomaly

14.0383, 0.2383, 0.3514

Monochromacy



Original Color

14.0121, 0.2548, 0.4373

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

9.4674, 0.2716, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0121, 0.2548, 0.4373 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, 120, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 80)  
}
```

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, 120, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 80) }
```

Border

The CSS property to change the border of an element to Yxy 14.0121, 0.2548, 0.4373 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, 120, 80) }
```

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

```
.border{ border-color:rgb(0, 120, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 80)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0121, 0.2548, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 80) }
```

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

```
.background{ background-color: rgb(0, 120,  
80) }
```

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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