

Converting Colors

$Y_{xy}(14.3793, 0.2490, 0.4164)$

Have a look what the booklet for
Yxy(14.3793, 0.2490, 0.4164)
contains.

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Color

Yxy(14.3793, 0.2490, 0.4164)

Conversions

Conversions Part 1

Format	Color
Hex	007958
RGB	0, 121, 88
RGB Percent	0%, 47%, 35%
CMY	1.0000, 0.5255, 0.6549
CMYK	1.00, 0.00, 0.27, 0.53
HSL	164°, 100%, 24%
HSV	164°, 100%, 47%
XYZ	8.5986, 14.3793, 11.5545
YIQ	81.0590, -61.5230, -35.9150

Conversions

Conversions Part 2

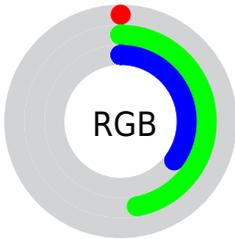
Format	Color
RYB	0, 70, 121
Decimal	31064
CIELab	44.77, -37.49, 10.09
CIElCh	45, 38.826, 164.935
Yxy	14.3793, 0.2490, 0.4164
Android (android.graphics.Color)	4278221144 (0xFF007958)
YUV	81.0590, 3.4219, -71.0887
Hunter-Lab	37.9200, -25.8843, 8.4779

Details

The Yxy color **14.3793, 0.2490, 0.4164** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **4.1750, 0.5767, 0.2951**, and the grayscale version is **8.2431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6849, 0.2655, 0.3925**, and **4.6809, 0.2582, 0.4493** is the 20% darker color. If you saturate the color by 10%, you get **14.3800, 0.2490, 0.4164**, and if you desaturate by 10%, it is **14.5148, 0.2490, 0.4065**.

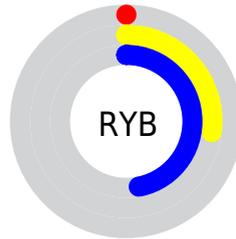
Distribution



Red (0%)

Green (47%)

Blue (35%)



Red (0%)

Yellow (27%)

Blue (47%)

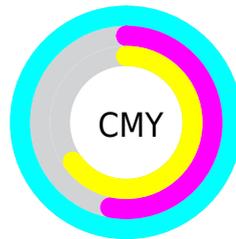


Cyan (100%)

Magenta (0%)

Yellow (27%)

Black (53%)



Cyan (100%)

Magenta (53%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.3793, 0.2490, 0.4164 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 14.3793, 0.2490, 0.4164 by changing the saturation by 10% instead.

 14.3793, 0.2490,
0.4164

 14.3793, 0.2490,
0.4164

219.5779, 0.2879,
0.3620

 8.3849, 0.2357,
0.4358

 33.7605, 0.2654,
0.3931

 4.3422, 0.2155,
0.4658

 47.9162, 0.2708,
0.3855

 1.8668, 0.1783,
0.5207

 65.5611, 0.2751,
0.3795

 0.5283, 0.0000,
1.0000

 87.0796, 0.2787,
0.3747

 0.0000, 0.0000,
0.0000

 112.8562, 0.2816,
0.3707

 143.2751, 0.2840,

0.3673

 178.7209, 0.2861,
0.3645

 14.3793, 0.2490,
0.4164

 14.3793, 0.2490,
0.4164

 14.3800, 0.2490,
0.4164

 14.5148, 0.2490,
0.4065

 14.6910, 0.2502,
0.3967

 14.9358, 0.2532,
0.3868

 15.2571, 0.2580,
0.3772

 15.6614, 0.2644,
0.3678

■ 16.1548, 0.2722,
0.3589

■ 16.7427, 0.2812,
0.3505

■ 17.4300, 0.2911,
0.3427

■ 18.2213, 0.3017,
0.3355

Harmonies

Analogous

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



14.3793, 0.3219, 0.4719



14.3793, 0.2490, 0.4164



14.3793, 0.1973, 0.3301

Triad

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



14.3793, 0.2490, 0.4164



14.3793, 0.2220, 0.2087



14.3793, 0.4713, 0.3676

Complementary

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



14.3793, 0.2490, 0.4164



4.1750, 0.5767, 0.2951

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.



14.3793, 0.4402, 0.3100



14.3793, 0.2490, 0.4164



14.3793, 0.2866, 0.2236

Square

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



14.3793, 0.2490, 0.4164



14.3793, 0.1848, 0.2188



14.3793, 0.3683, 0.2594



14.3793, 0.4525, 0.4250

Rectangle

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



14.3793, 0.2490, 0.4164



14.3793, 0.1798, 0.2790



14.3793, 0.3683, 0.2594



14.3793, 0.4667, 0.3481

Sweetspot

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



14.3800, 0.2490, 0.4164



29.8954, 0.2805, 0.3511



14.0203, 0.3149, 0.5882



6.7511, 0.2774, 0.3539



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.



14.3800, 0.2490, 0.4164



25.7252, 0.2497, 0.4188



9.5263, 0.2057, 0.2604



4.4947, 0.3027, 0.3349



15.4077, 0.2491, 0.4167



73.3476, 0.2505, 0.4218

Inverse Universe

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



4.1750, 0.5767, 0.2951



7.4546, 0.5828, 0.2984



4.8136, 0.6088, 0.3548



4.0314, 0.3238, 0.3232



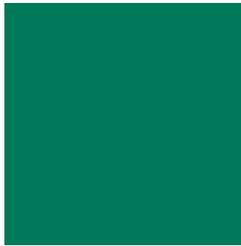
4.4722, 0.5775, 0.2955



21.2074, 0.5902, 0.3025

Previews

White Background



This preview shows how the Yxy color 14.3793, 0.2490, 0.4164 looks on a white background.

Color Contrast Check

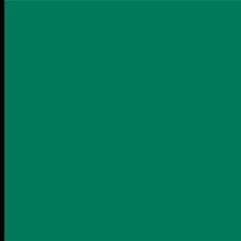
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.3793, 0.2490, 0.4164 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 14.3793, 0.2490, 0.4164

Background



This preview shows how black text looks on a background with the Yxy color 14.3793, 0.2490, 0.4164.



This preview shows how white text looks on a background with the Yxy color 14.3793, 0.2490, 0.4164.

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

14.3793, 0.2490, 0.4164

Protanopia

14.2079, 0.3571, 0.3801

Deuteranopia

14.3404, 0.3550, 0.3495



Tritanopia

14.4483, 0.2302, 0.3055

Trichromacy



Original Color

14.3793, 0.2490, 0.4164

Protanomaly

13.3867, 0.2947, 0.3962

Deuteranomaly

13.2704, 0.2926, 0.3728

Tritanomaly

14.3334, 0.2350, 0.3436

Monochromacy



Original Color

14.3793, 0.2490, 0.4164

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

9.7359, 0.2684, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.3793, 0.2490, 0.4164 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, 121, 88)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 88)  
}
```

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, 121, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 88) }
```

Border

The CSS property to change the border of an element to Yxy 14.3793, 0.2490, 0.4164 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, 121, 88) }
```

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

```
.border{ border-color:rgb(0, 121, 88) }
```

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

Here you see how a box with a 4 pixel rgb(0, 121, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 88);  
box-shadow:4px 4px 4px 4px rgb(0, 121, 88)  
}
```

Background

The CSS property to change the background color of an element to Yxy 14.3793, 0.2490, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 88) }
```

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

```
.background{ background-color: rgb(0, 121,  
88) }
```

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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